

670	27364	92836	89428	61268	74982	36498	32764	81276	81276
4986	40932	70987	32123	49817	26346	81287	65491	87364	81276
721	75654	55656	12737	72727	72727	91918	63473	67867	76543
6723	87629	37677	32612	53498	71296	28756	18276	98716	87654
7269	76329	74698	76857	98670	27601	56701	57601	73648	15432
591	87364	87265	96710	27630	12673	84769	28743	98127	54321
658	63298	75698	27465	87326	49876	28376	81273	98615	62345
667	87432	74328	78674	29867	32867	67867	86786	43286	43286
667	68768	68763	34234	34238	68768	62342	48273	48768	23456
936	98432	32432	86743	43286	43286	43286	43286	43286	43286
743	86743	86743	39867	32867	86743	43286	43286	43243	86743
741	86743	86743	86743	86743	86743	86743	86743	86743	43521
543	98798	98754	98754	98754	98754	29867	67543	67986	86743
976	87698	69876	87698	69876	87612	12341	34867	86798	63210
967	43298	65656	56756	56123	32143	14321	32143	14321	32143
971	92787	58765	76587	58765	76587	58765	76587	58756	76587
971	75476	96543	54365	36543	54365	36543	54365	36543	54365

Numbers & Oddities

a.k.a. The Spooks Newsletter

Edition #199, April 2014

Editor: Ary Boender email: ary@luna.nl

Check for previous newsletters, info, sound samples and databases also:

NUMBERS & ODDITIES <http://www.numbersoddities.nl>

SPY NUMBERS ONLINE DATABASE <http://www.spynumbers.com/numbersDB>

UTILITY DXERS FORUM (UDXF) <http://www.udxf.nl>

START PAGE <http://home.luna.nl/~ary>

HF UNDERGROUND <http://www.hfunderground.com/board/>

There is still a lot of tension between Ukraine and Russian. This led to again a lot of extra intelligence and military messages and the comeback of a hybrid system that has been tested in April 2012. The system has now an Enigma designator: DP01. See further under DP01.

The Russian diplo service was heard with CW messages like they used back in the 1980's. The messages are mentioned in the M42 section.

The unid mystery "CQ" station is still going strong 24h a day. Absolutely no clue yet who this might be. Suggestions and reports are most welcome. We assigned designator "UM01" to this station.

VOICE STATIONS



E06

5197 kHz, 04-04, 2055 UTC: in progress 56789 repeated 4x then off. Male voice

5197kHz, 04-04/18-04, 2130 UTC

634 128 20

37839 35787 98273 60187 16202 95625 31691 52538 61025 22567

93296 67423 40968 16891 63781 34820 04842 60491 75924 04594

128 20 00000

5186 kHz, 03-04/17-04, 2030 UTC

891 237 20

06132 75514 79681 94217 21443 31441 81797 17512 62689 33103

48930 93432 25709 93628 48683 18809 85052 49870 63962 04884

237 20 00000

10423 kHz, 23-04, 1210 UTC, in progress

...48790 72773

72044 60498 64948 31542 78337 67028 36892 07551 38937 68394

13603 30633 02682 82207 25199 36713 50831 97939 09936 46537

09460 32657 61612 46455 72106 38017 33322 50938 31118 50731

58495

826 71 00000



E07/ E07a

14603/13403 kHz, 06-04, 1700/1720 UTC, E07

641 641 641 1 392 114 392 114

03646 96465 84605 41033 92981 91074 35625 50678 11596 01029

55881 94175 36453 90939 25954 17734 65648 17085 29038 91887

44339 27710 08821 45530 37079 55423 24979 78330 20532 69086

85108 64218 94188 09479 06442 06367 22019 34206 23782 68381

98389 32406 48283 60673 54299 99918 38149 74781 95338 70594

69770 16152 42445 28809 18895 13022 40318 81954 67782 03028

26039 35738 22496 39722 85477 81794 41501 90607 29470 23507

18939 27498 79582 66444 31833 14824 55553 57341 08627 97987

14847 72403 33220 62721 31396 68161 18683 37792 36133 59403

09691 07655 13920 40702 70293 70495 57892 74081 92157 71506

75529 93171 91324 33040 08867 30065 79165 45064 88947 87685

68236 44213 35840 45277

000 000

8173/7473/5773 kHz, 09-04, 2000/2020/2040 UTC, E07a

147 147 147 1 39299 192 77 192 77
94583 35346 21623 88235 92807 96512 59390 43052 92575 85584
06891 84850 25460 80885 06865 45973 65540 32989 75173 98007
66519 81789 97667 43536 42056 79828 30493 20503 73216 65360
79743 48904 96464 74771 81749 28449 18110 41078 03193 06263
35193 98124 70407 06762 64670 62433 52394 96675 71907 65226
83666 96771 41699 82158 78827 83978 04177 17868 72109 94766
24386 00598 42363 88492 27396 48112 57711 47124 12132 67731
70397 99103 07000 09186 25568 98134 31933 000 000

10708 kHz, 07-04, 1900 UTC, E07

172 172 172 1 920 71 920 71
93634 18394 68437 78281 78555 69607 63911 92397 09371 29076
89383 86101 28084 84301 95508 59865 18393 43821 79505 93649
64734 55316 87545 67098 39494 05012 71543 76826 81905 33089
60798 50401 96180 76586 56568 53559 18509 64100 73636 36435
57978 86480 13467 57139 37492 09394 48618 62639 51737 37438
88184 91160 35111 64975 06054 62737 42113 56007 21652 15126
03331 73738 71197 57475 04893 76344 59120 06690 73673 11539
80409 000 000

12174/11074 kHz, 11-04, 1510/1530 UTC, E07a

102 102 102 1 67572 946 65 946 65
45872 41780 23920 24431 16296 00129 93390 76257 25623 55759
33237 81492 18186 73539 78126 74008 27583 18953 91483 51467
20742 91463 89772 33516 94971 96688 75426 15367 41146 89651
53638 59578 45501 29271 68912 11827 86538 04742 84825 34327
88776 31227 98001 06895 36074 69232 70219 39277 14120 27939
63080 77318 85557 44776 04161 67247 79610 85323 08066 85310
44429 24914 85479 71312 13955 000 000

12218/13418/14418 kHz, 12-04, 0800/0820/0840 UTC

244 244 244 1 67572
946 65 946 65
45872 41780 23920 24431 16296 00129 93390 76257 25623 55759
33237 81492 18186 73539 78126 74008 27583 18953 91483 51467
20742 91463 89772 33516 94971 96688 75426 15367 41146 89651
53638 59578 45501 29271 78912 11827 86538 04742 84825 34327
88776 31227 98001 06895 36074 69232 70219 39277 14120 27939
63080 77318 85557 44776 04161 67247 79610 85323 08066 85310
44429 24914 85479 71312 13955 000 000

14603/13403/12103 kHz, 13-04, 1700/1720/1740 UTC, E07

641 641 641 1 9358 118 9358 118
82368 33317 06436 17790 33073 30081 90516 02223 66905 04039
48698 13628 39801 77146 24341 44247 38374 50700 59225 92751
86206 35167 14281 72106 08163 44690 45465 28092 35079 24862
58974 94623 69501 86332 81480 38965 68464 77385 14685 62440
78519 04590 36198 46913 31858 98282 12970 43867 04874 65380
28916 82549 03190 33920 63038 12556 20940 00606 41695 10988
80275 81731 23015 62151 56985 70178 06411 53307 74187 75667
50176 46263 36214 52301 66658 60352 93998 29516 25592 09147
53014 62196 01019 95101 04032 04944 08435 98607 39200 78071
89098 17778 39256 67264 02924 39488 52131 51275 43894 65689
96909 06123 70444 81916 37116 68015 58168 82140 71905 89655
56665 76041 76432 91749 37048 07188 64936 12067 000 000

12108/10708 kHz, 14-04, 1900/1920 UTC, E07

172 1 180 48
73107 42572 88411 13860 96972 86439 12724 43774 71949 84447
42269 75251 67647 54146 62431 38421 39025 15268 08692 11119
78051 80523 18916 42522 47630 85740 08182 60220 54649 53793
46837 26118 59098 40896 27474 71253 78447 71300 10875 91346
42201 85494 31902 46057 01710 95034 50222 38217
000 000

8173/7473/5773 kHz, 16-04. 2000/2020/2040 UTC, E07a

147 147 147 1 62421 7325 83 7325 83
36768 76626 55799 80618 97073 39295 26640 52986 35653 83487
94244 08717 90129 56706 12850 83245 65134 90981 86366 38121
91344 00139 48755 02334 60976 36343 89952 42487 05957 93872
89057 53240 79153 63436 80988 76777 44701 63679 19278 35646
58270 70954 10986 23025 79389 68873 33218 16605 13756 06413
71261 32012 05707 74032 84418 23308 21461 71368 04251 88809
40621 52291 68183 76838 82902 63933 68928 38365 52265 08619
89068 52046 87387 19233 43971 82098 24531 78829 34822 62316
52753 21654 07014
000 000

12108/10708/9208 kHz, 21-04, 1900/1920/1940 UTC, E07

172 1 4132 63
26730 16506 30627 68174 50715 31781 62911 00631 10033 94772
63826 39446 83141 25840 12809 29601 41719 37754 53149 74928
36550 15502 08126 77786 67478 28914 38427 85140 63715 62799
97991 34583 92603 21560 32555 85375 67294 35763 38324 04703
41623 25909 94895 40606 48098 87569 19141 55830 48468 61350
34817 80135 97564 67198 86257 87913 16958 88373 86360 36339
88307 67877 26335
000 000

14603/13403/12103 kHz, 23-04, 1700/1720/1740 UTC, E07

641 1 657 105
64331 25451 75221 36757 73184 14967 83574 65644 27425 59999
74525 23676 90843 30470 39004 69185 20838 10934 88504 21307
07154 93386 05582 99664 89645 91461 08433 44421 81437 70660
07308 63400 77304 07388 35941 20806 27171 43396 89163 93973
12675 12804 98768 83898 90893 81773 44717 03172 46754 84681
89010 24420 47667 30777 75053 48498 75738 08277 56125 22875
55776 11321 12915 20111 00723 09291 30635 73506 73693 38140
50840 98064 76762 80157 13914 35074 08783 80841 62423 52965
50878 09983 15945 95031 78049 47727 66137 31166 18766 12265
11396 04840 33943 09305 14421 82024 87828 17235 63684 07382
81308 67412 16847 96801 02645
000 000

9208 kHz, 28-04, 1940 UTC, E07

172 1 7859 77
40162 84481 32210 97647 04203 82763 47252 60785 56517 99271
00299 54409 39775 52547 43854 79203 11682 86802 27426 53753
08729 18576 91433 19202 58729 71340 22628 77169 36385 51966
90204 23930 65976 80840 07167 44378 74504 84381 66201 20831
37984 52973 55276 27636 88119 00508 32259 71844 78781 65523
65047 02893 50754 18358 79273 20372 04841 96111 64101 33447
90407 62398 45730 31988 79038 59611 96159 54794 62570 19174
19747 13156 75129 40574 38186 99393 70552
000 000



E11/ E11a

8102 kHz, 08-04, 1045 UTC

576/33 Attention

40555 06734 87193 67021 95554 03815 55871 90619 33858 51343
19631 04918 79638 90737 15252 54807 50709 56833 72122 37703
47119 62011 34242 98596 85973 72268 05913 10200 01817 19950
32065 32739 76020

Out

13375 kHz, 11-04, 1110 UTC

954/38 Attention

63894 05954 51332 82811 13264 02068 76450 47781 54511 14586
22045 67884 90392 65970 40406 25789 17590 84474 94860 62301
48850 98862 26415 99326 75029 41585 65670 35982 92895 45880
04485 17717 43590 33383 25632 74918 17483 96958

Attention, rpt msg, out

5194 kHz, 11-04, 1710 UTC

955/22 Attention

98720 50353 19604 18475 02560 76617 42595 32191 79963 50875
03777 26121 05063 01292 02841 34131 47649 65560 82240 29322
46422 97888

Attention, rpt msg, out

7377 kHz, 11-04, 2000 UTC

576/33 Attention

40555 06734 87193 67021 96554 03815 55871 90619 33858 51343
19631 04918 79638 90737 15254 54807 50709 56833 72122 37703
47119 62011 34242 98596 85973 72268 05613 10200 01817 19950
32065 32739 76020

Attention, rpt msg, out

13375 kHz, 12-04, 1400 UTC

981/10 Attention

37504 87124 17251 43194 87456 65882 01680 53935 27989 60064

Attention, rpt msg, out

13455 kHz, 12-04, 1810 UTC

982/10 Attention

21884 97327 77602 16096 95706 74056 50436 32623 04644 99702

Attention, rpt msg, out

15915 kHz, 13-04, 1540 UTC

224/36 Attention

95627 68359 49583 20554 70752 68642 63682 89728 63706 37135
52932 24301 89537 01874 09152 14203 91253 67355 00678 44206
42421 54764 41110 49596 93744 05881 18161 80274 40638 25440
64710 35225 58742 32130 04002 66274

Attention, rpt msg, out

13375 kHz, 14-04, 1110 UTC

950/40 Attention

93996 53046 17307 58444 11843 69746 74942 81435 80652 85947
74044 16715 82996 96330 65900 21321 53587 69097 59350 43715
71496 34117 28285 71273 06411 16232 21758 54646 61675 83447
04345 12599 51347 34464 05946 44874 48076 18283 16296 84330
Attention, rpt msg, out

5194 kHz, 14-04, 1710 UTC

953/30 Attention

53040 35465 39401 79239 37161 55532 54572 13272 27158 68580
68970 98545 05104 93059 87347 25955 83742 51514 41974 04585
34830 31614 50166 09955 07811 20323 87573 88565 96851 00970
Attention, rpt msg, out

10213 kHz, 15-04, 0530 UTC

980/10 Attention

99530 29857 36644 80556 81069 67044 23465 39690 52758 88003
Attention, rpt msg, out

13455 kHz, 15-04, 1810 UTC.

982/10 Attention

03097 08359 58942 38135 13163 59145 44002 10294 45479 58515
Attention, rpt msg, out

10800 kHz, 17-04, 0645 UTC

511/37 Attention

63935 57300 19523 50821 95989 90854 07325 57334 22825 07992
28535 15658 90466 60770 28563 53652 39455 23559 04978 25924
45500 06877 83691 60779 59746 36007 11977 17331 82789 17359
06500 74952 05233 03912 76672 42884 12529 OUT 0655z QSB3
Attention, rpt msg, out

13455 kHz, 19-04, 1810 UTC

988/10 Attention

71019 78158 54523 77624 19818 39654 24492 44828 49275 29681
Attention, rpt msg, out

9371 kHz, 24-04, 1730 UTC

415/33 Attention

86442 36832 57400 39390 06930 68386 26571 75842 82279 33617
99003 72136 78718 76178 68923 37838 26260 89827 12566 83086
38984 90242 03980 80324 44332 87041 03536 91864 39523 28344
46341 23048 31939
Attention, rpt msg, out
WinXp shutdown sound

8186 kHz, 26-04, 2005 UTC

369/00 Out

WinXp shutdown sound

Comments from Danix:

Note that in both cases the sound was played on the last known schedule for the day. It's like they're switching off their PC after being done with all the schedules for the day.



E17z

12930 kHz, 17-04, 0810 UTC

674 820 5

42465 46683 90715 42738 80515

820 5 00000



G06

4569 kHz, 07-04, 1700 UTC

4569/5424 kHz, 14-04, 1700/1800 UTC

564 123 052

12375 71187 86308 32143 40103 29410 90572 21947 25006 67934

23181 88139 20743 76328 02703 09303 11643 57965 29413 15066

56211 17446 31984 89435 00654 47957 66197 42602 28597 97478

36854 84841 15509 07986 36382 36640 26956 89107 87536 46350

36291 38679 46294 78915 91947 96248 17180 05536 39748 77347

38651 78312

123 052 00000

5442 kHz, 25-04, 1930 UTC

947 532 20

06132 75514 79681 94217 21443 31441 81797 17512 62689 33103

48930 93432 25709 93628 48683 18809 85052 49870 63962 04884

532 20 00000



S06

13457/11118 kHz, 06-04, 1700/1730 UTC

480 629 43

02603 75046 63126 93200 05567 33184 27254 97132 66210 05386

26587 61794 94171 51830 16588 53845 87434 80054 52460 60498

55954 66529 57799 29559 17506 13724 12502 07085 95026 39742

66180 99221 99945 62554 78683 21360 93558 03133 92306 47712

10558 06941 43904

629 43 00000

13457 kHz, 13-04, 1700 UTC

480 296 41

68128 53518 23246 76308 38133 29892 12160 63004 98610 77027

77900 36871 19030 84327 99556 48826 40681 18838 64157 50440

33147 78759 64791 17214 63791 24926 19009 37644 43254 57917

06973 93248 07056 26795 68612 38242 46045 16619 94601 82040

46795

296 41 00000

9145/11460 kHz, 14-04, 1200/1210 UTC

831 540 6

04868 44645 45958 80316 16556 44452

540 6 00000

12355 kHz, 15-04. 0610 UTC, S06s

438 906 5

20483 47292 38314 63370 76184

906 5 00000

6930 kHz 15-04, 0715 UTC, S06s

374 901 5

61028 69130 27970 53514 58906

901 5 00000

Same groups + one appeared also on 21-4 at 0900/0910 UTC

11560 kHz, 15-04, 0740 UTC, S06s.

427 960 5

38281 10541 58010 29865 72431

960 5 00000

10420 kHz, 15-04, 0810 UTC

352 970 6

34596 91021 25046 58778 78626 51862

970 6 00000

13457 kHz, 15-04, 1700 UTC

480 371 45

50135 80378 77662 36926 77384 32258 43795 81190 22191 26184

55053 99625 71339 69531 12708 92028 19160 26665 57696 44576

21605 59812 38872 29052 63405 35848 23128 89060 02032 01790

18411 66539 17503 89817 46338 63102 37871 29829 19860 90023

39302 58963 10418 29009 56318

371 45 00000

11073 kHz, 16-04, 0740 UTC, S06e

Two messages with errors.

352 352 352 (R) 769 769 41 41

59308 84956 11632 05379 41906 18198 66516 60188 02928 83493

20384 98799 03994 36964 3 off

Restart: 352 352 352 352 352 352 352 352 352 352 352 352 352 352

352 352 352 352 352 352

02928 83493 20384 98799 03994 36964 68955 50390 18789 61067

69710 03304 68796 37027 72785 03316 33352 88845 09786 41440

07452 66084 76449 10985 05749 57606 70086 38521 36178 53454

67752 18478 91650

769 769 41 41

352 352 352 352 352 352 352 352 352 352 352 352 352 352 352

352 352 352

804 804 16 16

07499 42991 17337 12204 20689 2 off

Restart: 352 352 352 352 352 352 352 352 352 352 352 352 352 352

352 352 352 352 352 352 pause 52 352 352 352 352 352 352 352 352

352 352 352 352 352 352 352 352 352 352

07499 42991 17337 12204 20688 51291 57204 36461 32109 86677

63754 08230 40649 50804 56278 54027

804 804 16 16 00000

7795/8695 kHz, 18-04, 0600/0610 UTC

196 430 5

71142 47778 57185 94933 27564

430 5 00000

9078/10148 kHz, 18-04, 0600/0610 UTC

934 826 5

94595 63586 56464 22477 23331

826 5 00000

12140/13515 kHz, 18-04, 0930/0940 UTC

516 973 8

27970 53514 58906 31477 91127 49572 96314 52976

973 8 00000

9081/9752/10514 kHz, 18-04, 0900/0910/0920 UTC

314 314 314 00000

Very unusual 3rd repeat !

13457 kHz, 20-04, 1700 UTC

480 596 42

49563 01154 35760 43827 70133 41841 91351 23807 46730 26195

36508 65502 07278 88195 63001 89482 40690 02059 14403 02084

54905 99393 82853 77357 69779 24274 23272 32630 13025 36453

01089 48475 62523 89342 52755 47781 00930 72731 53277 31812

31821 27269

596 42 00000

14580/13165 kHz, 21-04, 0900/0910 UTC, S06s

872 594 6

61028 69130 27970 53514 58906 31477

594 6 00000

The groups in red were also transmitted on 15-04 at 0915 UTC



S11a

14940 kHz, 28-04, 0715 UTC

385/35 Vnimanie

11541 32910 77252 05526 99324 16611 14242 26508 26955 58277

14822 11164 95954 19038 76405 63588 68016 37516 00207 79683

69041 74147 00591 26966 83198 14020 80777 11147 68754 59392

73073 65966 30799 93899 71624

Vnimanie, rpt msg, konec



S28 - The Buzzer

Mode: USB
Frequency: 4625 kHz

07-04, 1342 UTC	MDZhB 97 407 VALOHA 76 71 58 94
08-04, 1016 UTC	MDZhB 56 764 AVO 31 27 62 34
09-04, 0951 UTC	MDZhB 82 531 KANDYK 21 91 97 70
09-04, 0957 UTC	MDZhB 18 556 GALLIKT 50 81 71 04
09-04, 1000 UTC	MDZhB 18 123 PADEN 44 08 72 04
09-04, 1012 UTC	MDZhB 39 394 ChARY 80 72 24 47
09-04, 1014 UTC	MDZhB 21 780 AVTONOMNYJ 06 80 51 51
09-04, 1132 UTC	MDZhB 43 944 KVARTIRNIK 98 01 77 99
09-04, 1148 UTC	MDZhB 34 568 GASHENIE 48 95 48 13 ZIZIFUS 98 36 19 35
10-04, 1128 UTC	MDZhB 36 031 RADUZhNICA 33 25 33 68
10-04, 1240 UTC	MDZhB 72 260 MARLEZIT 41 32 04 18
11-04, 1020 UTC	MDZhB 29 521 NAVETNIK 72 02 88 56 Priyom
11-04, 1021 UTC	MDZhB 50 209 GAINIShE34 85 96 06 Priyom
11-04, 1023 UTC	MDZhB 33 222 FANGSBOT 12 98 34 06 Priyom
11-04, 1025 UTC	MDZhB 56 055 RAPUNCEL 43 10 76 39 Priyom
11-04, 1029 UTC	MDZhB 74 561 LAMPOVYJ 91 67 30 95 Priyom
14-04, 0957 UTC	MDZhB 47 870 GARTIT 36 07 67 03
14-04, 0959 UTC	MDZhB 70 450 VARITET 24 85 88 72
14-04, 0951 UTC	MDZhB 05 127 ZAVODNENIE 81 64 76 53
16-04, 1004 UTC	MDZhB 52 013 ZAZEMLЕНИЕ 73 35 58 30
16-04, 1030 UTC	MDZhB 90 560 ZhABINAK 92 38 50 08
16-04, 1032 UTC	MDZhB 17 705 VARAJDA 43 90 37 91
16-04, 1341 UTC	MDZhB 81 558 GARDKOT 45 67 12 79 BARROU 28 19 47 51
17-04, 0825 UTC	MDZhB 74 363 MALUAR 80 47 95 77 Priyom
17-04, 0827 UTC	MDZhB 69 903 KALDTA 47 97 36 31 Priyom
17-04, 0832 UTC	MDZhB 91 341 MALTA 14 13 27 61 Priyom
17-04, 0901 UTC	MDZhB 32 803 RAZDEL 99 59 13 46
18-04, 1012 UTC	MDZhB 85 377 VALANT 24 31 86 82 Priyom
18-04, 1018 UTC	MDZhB 03 224 KAZChLYaG ?? ?? ?? 13 Priyom
18-04, 1137 UTC	MDZhB 22 154 VARENKI 31 27 32 54
18-04, 1147 UTC	MDZhB 96 332 ZAVOEVANIE 54 47 53 21 ShAMATON 01 57 27 53
21-04, 1437 UTC	MDZhB 82 257 KALANNIK 62 28 08 79
21-04, 1512 UTC	MDZhB 99 095 KARNOTIT 95 93 54 00
21-04, 1531 UTC	MDZhB 74 098 PAPSTVO 03 81 42 35
21-04, 1540 UTC	MDZhB 26 975 TAMGA 36 50 86 79
22-04, 1037 UTC	MDZhB 36 876 PAKSIT 75 57 93 88
22-04, 1040 UTC	MDZhB 23 682 KARRAGINAN 32 08 23 29
22-04, 1040 UTC	MDZhB 71 213 FAZANOVYJ 48 51 65 78
22-04, 1146 UTC	MDZhB 24 593 BAKBO 85 48 40 54
23-04, 1022 UTC	MDZhB 11 642 GANISTEN 73 59 15 67
23-04, 1148 UTC	MDZhB 39 504 ZABOJChIK 12 03 92 59
24-04, 1157 UTC	MDZhB 87 577 NAVEVANIE 63 76 78 59
24-04, 1213 UTC	MDZhB 47 555 KAPITALKA 26 85 65 43
25-04, 0957 UTC	MDZhB 29 915 MARIHUAN 16 25 13 97
25-04, 1003 UTC	MDZhB 85 947 RAVAN' 34 06 57 23
25-04, 1005 UTC	MDZhB 90 644 BANTAM 92 36 48 96



S30 - The Pip

Modes: CW (Pip), USB (messages)
Frequencies: 3756 kHz (night), 5448 kHz (day)

3756 kHz, 01-04, 1801 UTC 5Y7Shch 37Shch' N1DU 53OB 78MV 12TSI 79AY P'HSch 6EKHB TSP3'
 3756 kHz, 03-04, 1728 UTC L7O5 V'Z' NLCE V2MZ SB7Z 8MUO TUZR 5J7Shch 27Scsh' N1DU
 5448 kHz, 03-04, 1728 UTC ZhBZU 3VS' DKJ1 6I2Zh ZhD9V SJ5C 42BV 81BR M7KS
 5448 kHz, 07-04, 1323 UTC 8S1Shch 45 333 BOChNYa 98 07 58 45
 5448 kHz, 07-04, 1342 UTC 8S1Shch 25 279 AVTOSCEPKA 63 08 64 41
 5448 kHz, 08-04, 1023 UTC 8S1Shch 25 253 ERGOZIN 64 72 88 11
 5448 kHz, 09-04, 1630 UTC OSOG BO6C F56Scsh 9GSA ZhBZU 5RVZ 3VS' DKJ1 6I3Zh ZhD9V
 5448 kHz, 15-04, 1447 UTC ShchT3O CIHS Z7PM 'O6P JH'J S7ZhG Z'1B CI9V ZhSK4 DEAY
 3756 kHz, 22-04, 1708 UTC TZLM FY5E F61N 37CN MUDR 7VNSch Zh7NZh YMA5 VTH3 AGDT
 3756 kHz, 23-04, 1720 UTC 61HZh ZBIL L7O5 V'Z' NLCE V2MZ SB7Z 8MUO TUZR 5J7Shch
 3756 kHz, 24-04, 1757 UTC 5FCShch DMC3 49FT C3ZA LI27 INNC ShchGJP 8CShchJ TZLM FY5E



S32 - Squeaky Wheel

Mode: USB
Frequencies: 3838 kHz (night), 5473 kHz (day)

5473 kHz, 01-04, 1009 UTC ShTORA62 SLIVA94 RUZh'E29 ROSA54 STAZhER29 FONTAN34 NEVKA26
 5473 kHz, 03-04, 0734 UTC Alfa-45 54 434 MEGABIL 83 45 44 58
 3828 kHz, 04-04, 1826 UTC BIZON54 OTPOR89 ALEUT09 PENZA07 UTES94 DUBLER68
 5473 kHz, 05-04, 1312 UTC BIZON64 OTPOR89 ALEUT09 PENZA07 UTES94 STAZhER29
 3828 kHz, 07-04, 1817 UTC BIZON64 OTPOR89 ALEUT09 NEVKA26 UTES94 DUBLER68
 5473 kHz, 14-04, 1317 UTC DZhIGIT-46 KOVBOJ-9 NEVKA-4 LANDYSh-4
 5473 kHz, 16-04, 1213 UTC ALFA-45 90 001 KARANFIL 73 04 17 37
 5473 kHz, 16-04, 1213 UTC ALFA-45 33 926 KORONER 93 20 42 88
 5473 kHz, 16-04, 1353 UTC Alfa-45 33 926 KORONER 93 20 42 88
 5473 kHz, 23-04, 1239 UTC ShTORA-62 LANDYSh-74 RUZh'E-26 BIZON-64
 3828 kHz, 23-04, 1740 UTC Alfa-45 29 915 NYRYaNIE 62 66 77 54
 3828 kHz, 23-04, 2035 UTC Alfa-45 05 924 TITLO 79 77 12 48



S6930

Frequency: 3218.5 & 6930 kHz
Mode: USB

3218.5 kHz 01-04, 1919 UTC Katok-65 24 331 GOROH 11 24 35 54
 3218.5 kHz, 02-04, 2000 UTC Katok-65 45 154 TABLETKA 28 18 15 54
 3218.5 kHz, 03-04, 2000 UTC Katok-65 78 148 VOZDUH 21 74 98 70
 3218.5 kHz, 04-04, 2001 UTC Katok-65 36 636 HIScshNIK 27 74 54 02
 3218.5 kHz, 05-04, 1958 UTC Katok-65 81 554 GITARA 33 28 74 71
 3218.5 kHz, 13-04, 2001 UTC Katok-65 47 743 LINEJKA 11 13 33 34
 3218.5 kHz, 20-04, 2000 UTC Katok-65 38 519 KOREN' 37 32 65 18



V13 - New Star Broadcasting Station

星星廣播電台 Xīngxīng guǎngbò diàntái

Frequencies: 7654, 7688, 8300, 9276, 9522, 9725, 10182, 10522, 11430, 13750, 15388 kHz

Current schedules

Station #?: 9276 kHz, 0200, 0300, 0400 UTC.

Station #3: 8300 kHz, 0500 and 0600 UTC.

Station #4: 9522 kHz, 0700 and 0800 UTC

Station #4: 8300 kHz, 1200 and 1300 UTC

Note: not all the skeds are not always on the air



V30

Vietnamese numbers

frequency	date	UTC	remarks
10255	3-3-2014	1557	So Dien: 75 So Nhom: 35
10255	6-3-2014	1557	Signal too weak to make out callup
10255	7-3-2014	1557	So Dien: 03611 So Nhom: 45. Note new callup
10255	17-3-2014	1557	So Dien: 03611 So Nhom: 45
10255	18-3-2014	1557	So Dien: 03611 So Nhom: 45
10255	19-3-2014	1557	So Dien: 03611 So Nhom: 45
10255	24-3-2014	1557	So Dien: 03611 So Nhom: 45
10255	25-3-2014	1557	So Dien: 03611 So Nhom: 45
10255	26-3-2014	1557	So Dien: 03611 So Nhom: 45
10255	27-3-2014	1557	So Dien: 03611 So Nhom: 45
10255	28-3-2014	1557	So Dien: 03611 So Nhom: 45
10255	31-3-2014	1557	So Dien: 03611 So Nhom: 45
10255	3-4-2014	1557	So Dien: 03611 So Nhom: 45
10255	4-4-2014	1557	So Dien: 03611 So Nhom: 45
10255	14-4-2014	1557	So Dien: 03611 So Nhom: 45
10255	15-4-2014	1557	So Dien: 03611 So Nhom: 45



VC01 - Chinese Robot

Chinese Air Defense

Modes: USB and LSB

The station changes its frequencies frequently. Known frequencies:

3036, 3749, 3837, 4075, 4165, 4175, 4180, 4258, 4343, 4410, 4422, 4427, 4480, 4530, 4580, 4726.5, 5114, 5195, 5232, 5288, 5303, 5328, 5330, 5343, 5393, 5592, 5700, 5742, 5799, 5802, 5820, 5832, 5892, 6209, 6479, 6771, 6840, 6858, 6860, 6949, 6960, 7090, 7351, 7608, 7684, 7726, 7739, 7744, 7756, 7770, 7792, 7864, 7865, 7880, 7890, 7924, 7938, 8000, 8025, 8170, 8779, 9000, 9129, 9169, 9192, 9290, 9340, 10508, 17392 kHz.

5114 kHz, 08-04, 1930 UTC, USB

8779 kHz, 11-04, 1633 UTC, USB

MORSE STATIONS



MX **Russian Military beacons**

Current cluster frequencies:

3594, 4558, 5154, 7039, 8495, 10872, 13528, 16332, 20048 kHz

Other frequencies:

L 6917.5, 8497.8 kHz

V 3658, 4150, 6809, 6928, 7027.5 kHz

R 5466 kHz (seldom reported these days)

W 5835, 8112, 8162 kHz (Air Force)

Cluster beacon slots:

.7 "D", Sevastopol

.8 "P", Kaliningrad

.9 "S", Severomorsk

.0 "C", Moscow

.1 "A", Astrakhan

.2 "F", Vladivostok

.3 "K", Petropavlovsk Kamchatskiy

.4 "M", Magadan

Channel markers:

R : 4325.9 kHz

V : 3523, 4150 kHz



M01

5475 kHz, 15-04, 1800 UTC

463 312 30 = =

30346 90498 28786 59816 91969 06463 34579 22423 00626 20407

31495 92063 84747 18343 21442 72275 75557 60438 50529 33800

00009 40119 56408 66028 24754 90127 90178 65640 64970 90046

= = 312 312 30 30 000

5020 kHz, 17-04, 2000 UTC

463 609 30 = =

03136 15863 17311 78924 05883 56688 43030 98458 57689 98788

65805 56268 21768 82005 07320 38723 81025 64001 50009 49445

99768 18697 95765 34967 80960 46261 05468 54296 45736 55056

= = 609 30 000



M03

9150 kHz, 15-04, 1115 UTC

275/30 = =

58029 58029 97652 97652 10057 10057 33703 33703 50248 50248
 59205 29205 02318 02318 23428 23428 31032 31032 69630 69630
 73196 73196 84195 84195 43808 43808 82950 82950 38084 38084
 45192 45192 55895 55895 93066 93066 33003 33003 69986 69986
 72487 72487 16132 16132 70347 70347 82777 82777 48630 48630
 00602 00602 54610 54610 28224 28224 71796 71796 84109 84109
 = = 275/30 275/30 275/30 275/30 275/30 = =
 58029 97652 10057 33703 50248 29205 02318 23428 31032 69630
 73196 84195 43808 82950 38084 45192 55895 93066 33003 69986
 72487 16132 70347 82777 48630 00602 54610 28224 71796 84109
 = = 000



M08a

Dirección General de Inteligencia

Topol copied M08a in progress and translated the 5LGs to 5FGs.

8009 kHz, 07-04 2318 UTC, in progress

... 46588 88?71 51172 81743 27671 5703? 66202 35012 AR AR AR

Next message follows:

06102 06102 06102 06102 06102 = = =
 25534 57231 68764 05521 48552 36535 23178 64303 75457 05421
 40041 28444 07211 14502 40586 23882 53725 62861 56364 03084
 74082 07538 48311 51780 56484 57647 75872 82778 50436 05338
 77251 44413 71846 54234 81863 42284 74347 67306 86400 30363
 32157 66767 25257 03848 11690 37103 83378 48360 14468 21034
 52413 67511 32514 81235 34646 50603 06014 40150 53881 47421
 53328 78378 13113 67204 13032 07086 30664 30610 37524 45551
 10463 10332 38707 35762 97634 16014 22205 83634 52666 78218
 3?004 41086 00724 58360 71837 06452 64081 86866 26784 03645
 32474 27538 77155 48765 85175 38157 11243 13867 65003 60053
 32317 07713 07301 04326 57578 10360 78640 68055 62180 30281
 51146 36146 86634 84222 46353 38465 06796 40672 71106 14317
 57744 54047 25646 60736 32132 46202 18858 74041 11363 63684
 60398 35415 00413 11350 60532 66512 33657 17440 07327 03603
 83750 47253 48355 25874 77626 26602 74514 67002 51302 28240
 AR AR AR SK

8135 kHz, 08-04, 2259 UTC

00082 13321 25742 (R3m)

00082 00082 00082 00082 00082 = = =

02272 61018 13767 65818 88741 70474 83801 82714 40424 68231
 11480 60037 74564 66648 33553 08326 02401 25154 34718 85528
 52180 30411 04801 43041 16354 74111 71?38 02070 37010 77536
 66741 41810 21241 12607 18105 78684 23516 64478 85653 68385
 21871 47745 06587 27763 42713 86241 34764 01601 51366 71012

55228 48363 21686 21715 58478 05342 47725 32720 43434 30206
56070 75313 64868 11127 07087 48028 00876 72008 68622 12660
02633 80873 60866 64273 74565 12707 35141 72030 34664 47161
71344 55355 22130 36583 63612 16447 43777 00771 15137 70703
00632 57735 75315 12642 65420 86327 37537 31335 03324 08231
88271 27678 07346 70283 04108 66733 00764 46338 16123 51021
80778 22505 40537 84480 63855 74855 77077 22440 86824 27205
85155 02412 54064 27448 86240 88651 71380 67608 51456 42486
72155 04660 62574 73541 28883 14615 73186 41448 77310 66535
62053 32368 06315 66345 36664 44318 58554 77477 26672 65402

AR AR AR

13321 13321 13321 13321 13321 = = =

33386 22063 03313 84062 27165 54173 60668 02010 44108 35481
81624 56378 17027 51820 57F07 87183 44158 02252 23322 77268
27686 53068 84168 81781 60852 68321 08782 75702 54564 78767
01360 43340 13755 34861 38724 80077 85542 67573 23306 48664
17115 20601 22282 22471 12422 60460 77788 73178 30607 35373
68212 14336 31213 37421 81618 62688 12176 76081 32624 70872
70727 84877 87220 87452 75051 46701 11083 36453 85478 84401
65252 45832 23186 06558 01001 86851 42621 43750 12484 67667
01335 24785 53762 04534 70488 64710 80884 41372 52121 26718
88047 08716 67212 43185 68476 71057 85441 82546 31201 83432
53142 11407 85318 85714 21108 50288 36502 53115 40885 37128
24636 44027 70274 00580 70645 56541 00832 53711 03121 87842
64353 78031 61505 07764 54343 61602 08440 47863 38076 61810
13023 80560 78785 03876 46515 63117 76512 18023 18648 62165
52084 13712 12238 26475 10253 01642 01736 26851 24374 52700

AR AR AR

25742 25742 25742 25742 25742 = = =

65371 46277 71788 84111 57431 84245 21021 63810 04126 40171
64521 02188 20161 66635 47076 40615 25007 62810 62845 82615
42178 43805 48187 32703 51472 23145 31258 82630 64314 65140
05014 61312 17245 28164 70235 37671 55558 74521 04314 48040
84543 38331 10600 17055 13211 40183 82008 77366 82163 51043
87214 27666 67487 36745 38134 18477 70430 35734 33708 34017
66641 16261 45562 25053 68842 27457 10175 16442 54362 15237
86102 32062 36088 43224 53774 08522 07385 52545 51455 63753
72560 15480 51745 47775 03456 12051 02241 53535 12503 60107
08340 18683 55617 50510 18855 83081 22744 36612 86330 54681
14753 14252 06871 84052 54325 45406 56563 83660 36472 48115
86464 20128 58781 63707 27113 32321 41242 13221 04173 47220
66571 71836 26762 35635 65382 18581 00635 75472 50610 30226
48620 40646 18745 27041 12528 53864 84364 27545 57731 51735
73653 17143 07708 82080 02212 14311 56338 73842 14618 76006

AR AR AR SK



M12

Like last month, more unusual M12 transmissions were found. Thanks to Danix, Avare and all other dxers who supplied the logs.

10256 kHz, 10-04, 1600 UTC

123 123 123 1 3137 28 3137 28
00034 17432 84801 23545 52055 41828 36441 01831 70867 63675
47552 68368 87147 10470 14227 42377 04163 51713 16131 08486
58774 85277 35578 46402 01237 33716 57412 15314
000 000

11491 kHz, 10-04, 1640 UTC

725 725 725 1 6911 115 6911 115
18582 05320 32377 70189 62073 88995 59553 31167 27455 33839
04066 74993 99798 24042 28892 45503 43800 56562 61898 34796
09036 74443 75110 66089 26299 96475 92109 92343 51699 21109
09768 90083 80290 44542 70606 42745 56628 10770 86088 48323
67536 31991 99403 07474 35063 02242 59592 58675 45100 91950
22710 27014 40467 45095 29330 17112 34039 35677 82455 54528
23777 99676 46128 53122 35344 79814 49241 49686 00423 39260
79570 03155 51278 04109 61105 96904 60226 35105 63102 77398
64202 57682 21669 50697 11302 65408 90992 71965 19856 73569
93098 65003 38064 55300 25597 79225 78372 91337 69017 87635
58527 62898 18498 11444 30964 02751 90757 62146 76061 96920
69551 82094 48086 40402 92853
000 000

10250 kHz, 10-04, 1651 UTC / 10256 kHz, 10-04, 1657 UTC

123 123 123 1 1077 26 1077 26
35717 28671 04644 67330 33024 86218 03822 10860 71035 63835
41511 04457 56570 65312 58522 23667 47733 86712 65283 15127
18608 54278 57773 77031 86285 05680
000 000

10250 kHz, 10-04, 1717 UTC

123 123 123 1 (R1m) 000 000

10256 kHz, 10-04, 1719 UTC

Faster speed, stopped mid-transmission

123 123 123 1 7789 23 7789 23
51601 12167 76272 07714 37755 50673 85167 88413 57550 17137
36800 72144 05337 14482 12687 42253 78248 25160 67052 04267
62202 10114 50506
000 000

10255 kHz, 11-04, 0745 UTC

123 123 123 2 msg 000 000 123 123 123 2 off

10251 kHz, 11-04, 0855 UTC

00000 00000 00000 00000 00000 pause 00000 00000 00000 00000 00000

10253.5 kHz, 11-04, 0900 UTC

00000 (12x) 000 000
000 000 000 0 (9x)
0000 00 (2x)
00000 (26x) 000 000

10255 kHz, 11-04, 0914 UTC

123 123 123 2 no msg

10254 kHz, 11-04, 0922 UTC

123 123 123 2 etc

10253 kHz, 11-04, 0925 UTC

123 2 6618 29 52844 63472 14286 05516 ... 000 000

7931 kHz, 14-04, 1720 UTC

257 1 2843 86

35374 83424 29605 17164 65755 42954 31212 96524 22259 44240
11759 91345 42372 74179 79144 68287 49365 30615 54336 47512
51331 25345 30285 87792 03809 83663 97296 79632 89651 32939
31978 36024 64371 66522 82563 53316 35977 49819 04867 91735
39643 18731 10134 42333 39601 41518 50362 66750 78137 44479
64778 35328 33835 73996 50560 64030 71584 23793 46571 94178
50122 34973 89192 70344 15089 39327 50962 26595 14444 03692
33730 00508 39466 28825 66214 94026 34528 83095 74737 44571
16350 90987 63243 07198 11258 73776
000 000

10343 kHz, 15-04, 1830 UTC

124 124 124 1 446 86 446 86

15171 82387 22925 54022 20903 99837 75187 28051 80108 45744
16303 69195 77700 39862 65912 57440 30021 61713 31101 38635
88573 33582 20740 30603 59728 02374 79545 85896 37087 82249
28440 17077 02205 67842 41557 37791 09738 78993 25726 78582
98730 34914 80382 86753 03672 86646 83139 71602 82306 32321
73311 20126 23282 62863 68340 29192 81138 73581 42441 73825
22189 05474 61628 88680 48029 66867 49915 61966 48582 56911
11746 24242 38952 97353 32311 32303 58561 26216 54836 86716
23131 72987 51864 58045 66630 82353
000 000

7931 kHz, 17-04, 1920 UTC

257 1 4385 57

79875 87149 26206 50061 65903 01498 99041 62591 73523 73009
98396 41103 67129 27642 17586 21990 05999 98528 67284 08636
45360 06672 59355 98046 86554 93452 35108 10636 21397 58426
90800 08274 60041 83893 14671 06083 41211 23323 44056 08316
21899 75147 58510 57121 45249 66402 84847 67028 60888 17685
24700 99211 64264 77552 27162 16869 66817
000 000

7931/6904 kHz, 21-04, 1720/1740 UTC

257 257 257 1 2650 87 2650 87

97738 06409 13654 03140 11637 16857 79431 39419 51614 76991
83467 52403 55032 67670 46857 94977 87743 39896 24588 08572
59943 67744 87710 76307 21391 37841 01697 53974 03659 40679
21326 02513 74003 25389 40821 49366 02714 70991 83206 25697
93200 76982 90096 03463 18939 42934 23146 80465 00471 24957
28489 87069 68037 41858 28449 63562 22851 54329 25879 87948
01942 21147 85206 55751 99015 70039 14271 18401 49794 88638
34672 83698 55898 13913 16720 31768 07699 70213 94080 81467
28923 69597 60399 47787 90049 53937 35945
000 000



M41
Russian Air Defence Forces
Boйcka ПBO Voyska PVO

11499 kHz, 20-04, 0629 UTC

L3EO L3EO L3EO AR AR

L3EO WZD 8201 768 2029 7180 37 ABV 8201 768 2029 7180 37 AR



M51 / M51a: FAV22
8ème Régiment de
Transmission

8106 kHz, 14-04, 0145 UTC

UEVZQ QBOTB HTZCE PYSXZ IUNJH VGXVU (Cont'd)

= NR 57A 0902:51:522 2014 =

TNQHE KWKQX TBGVZ MBNOT QCVQQ (Cont'd)

= NR 58A 0902:57:35 2014 =

OUUEJ RLFRV QCSKN IUJPL DUFDW (Cont'd)

5453 kHz, 14-04, 2242 UTC

= NR 59A 1500:43:38 2014 =

.LQRN J.PFC PFOJB FNZNC FQXWC WGZCK (Cont'd)

= NR 61A 1500:56:13 2014 =

JCPNZ GLIWE EWLLR YAHCW EZXIY (Cont'd)

= NR 62A 1501:02:16 2014 =

XREJL ZAGLH XKXJV HAQOS OPBIE (Cont'd)

= NR 63A 1501:08:32 2014 =

VXQAV TZVRD LQEKD ZAWJE (Cont'd)

= NR 64A 150:14:46 2014 =

P.V.Y GMCYY AKAHG V.NMV NAYXQ (Cont'd)

6825 kHz, 20-04, 0707 UTC, FAV22

In progress

aujourd'hui, ces valeurs, cette tradition, cette cohésion exemplaire mais aussi cette intégration réussie font partie de la richesse nationale. notre jeunesse est un atout pour notre pays et pour l'europe et je sais combien nos armées savent développer leurs énergies et leurs talents. la france aura plus que jamais besoin demain, dans un monde instable, d'armées de très haut niveau. j'assumerai pleinement les responsabilités qui sont les miennes pour définir, sous la direction du président de la république et du premier ministre, l'avenir de notre système de défense et les reformes qui sont nécessaires à notre pays et à nos armées ainsi qu'à la valorisation de nos industries.

AR

CQ de FAV22

VA

6825 kHz, 20-04, 0815 UTC, FAV22

VVV DE FAV22 FAV22 FAV22 QLH 3881/6825KHZ

vitesse annoncees legerement superieures. samedi/dimanche2/lecon n1/2 vitesse 600 code

djkjf eryri vplto bcvds zxasq mvlgk oypui gfhjdj csred 16580

bcjwi .,?§= Impoy cxrae xvdre nbfhg awqes bczxr bnfir pglro

.?.,' bchde 42369 lapqi wnsyv vcsdw aqlfp rhfus bcvdw nkgir

bctxwy 54783 cbhqa %'/. , yhhby cxdwe vnyea awqev xvsfw mbfur

awqlg ryusn 14790 xmlpo „.\$?% ajauw xcsar ldoej gmnry xbstw
dsewx vnfje lepwm 65874 vzqja #/%., aszxw chyde kfolg vcrwt
cxarq mfyru nfnfy aeqds 12680 gbdhe /.'? vsfwg xaszv hdjwu
lfpro cxwrg lshdf vxrau clnop 54103 bcuel „?'/ bceuf lgpto vxaxw
ar

samedi/dimanche 2/lecon n2/2 vitesse 600 clair

le prix du grand jury revient à daniel grenon pour harkis soldats abandonnés. ce livre rassemble des témoignages de ces soldats et aussi d'officiers, hommes d'honneur, 50 ans après les accords d'évian. préfacé par le romancier et documentariste pierre schœndörffer, harkis, soldats abandonnés donne la parole à six harkis et quatre hommes d'honneur. 50 ans après la guerre d'algérie, dans ces témoignages inédits, ils reviennent sur leur passé, où histoire personnelle et histoire se sont mêlés.
ar

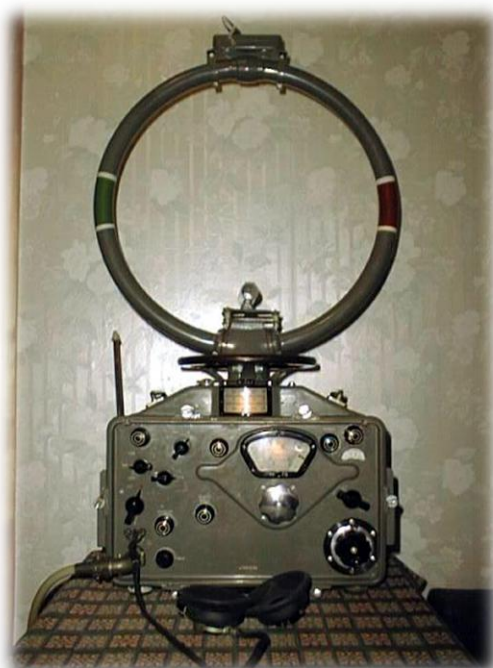
samedi/dimanche 2/lecon n1/3 vitesse 1200 code

dhiqvcgsh peleo xaqez ncbdg mvnbt ptoti bvnye swreg 02589
ncdie „%# ncbdh mnlhk cxsdw asqwe cvxbw lgrpo cbhyw nvvr
45896 bcshw „?'/ bcdhe lhpot bcndw xmkwu asqvs njdef mfked
vxsgw 47896 vzqao .?,as' mcdju mvlor acqzr ncdhe mbcnd lgpro
cdwre nncje 74302 bcmak „/'= nvbxc nswpo ndeyj djket axzvs
nvmru ldpej wrsfu 43269 bccpw „as.'/ kdwic snsju vwzpo lfmkr
dregn mceis mckdo afqth 01658 caqmk ?.,?'/ ncywp asqez nxhwy
bxwjk lfpei cnmwi zcvqt mvlew 49635 vxqau „?,' mvlpe qadtd
ndjei cvdbe fkeis qeafy cbdfw vflpe 41203 cxzba =.ar'? asqrv
nvdye mcdei bxbwh alpqe bcddy cbxbx mxwpo ?.,'/ czplo 58023
snhwy bdgwt xweud mvleo xwtcn askeo dgetq cbnsk 41123 lmpoi
?.sk,' qpalo bcgey mxnwu vchwi mvlro sdqra xzsbv dmlgs „?'/
cxabq 39856 vatyw idopw vxczb lpfdo
ar

samedi/dimanche 2/lecon n 2/3 vitesse 1200 clair =

ducati affiche une forme olympique. leur nouvelle-née, la 1199 panigale, a récolté les commentaires dithyrambiques de la presse internationale lors de son lancement grandiose sur le circuit de formule 1 d'abu dhabi. apres le titre de carlos checa en championnat du monde superbike au guidon de sa devancière, la 1198, l'année 2012 se présente sous les meilleurs auspices pour la marque sportive italienne, d'autant que son excellent bilan financier 2011 prouve qu'elle s'est pleinement remise du ralentissement économique mondial. voila autant de raisons pour claudio domenicali de se féliciter tout en se souhaitant encore plus de succès pour 2012, en particulier en moto gp, ou valentino rossi est a la peine depuis son engagement aux cotés de la marque de bologne.

AR CQ de FAV22 VA



Russian RP-6 Direction Finder

Pictures from <http://www.armyradio.co.uk/>



M89

Chinese military

Stations and strings:

V 7NPE 7NPE 7NPE DE QV5B QV5B V 8CPZ 8CPZ 8CPZ DE XW6W XW6W V 8DKB 8DKB 8DKB DE ODY8 ODY8 V BNGC BNGC BNGC DE XSV85 XSV85 V BRH0 BRH0 BRH0 DE 8NGG 8NGG V CQ CQ CQ DE DP91 DP91 V DKG6 DKG6 DKG6 DE 3A7D 3A7D V DP9J DP9J DP9J DE CQ CQ V EI0B EI0B EI0B DE JHG2 JHG2 V GKLO GKLO GKLO DE TYUI TYUI V H2FL H2FL H2FL DE DRV8 DRV8 V JKDJ JKDJ JKDJ DE SLBC SLBC V MW3D MW3D MW3D DE 2SLC 2SLC V Q5U8 Q5U8 Q5U8 DE 8QPP 8QPP V QHV8 QHV8 QHV8 de 8QPP 8QPP V RA5J RA5J RA5) DE BP2S BP2S V RXP7 RXP7 RXP7 DE CZT2 CZT2 V S2LZ S2LZ S2LZ DE YBA6YBA6 V SR3H SR3H SR3H DE FGH8 FGH8 V SXL6 SXL6 SXL6 de 9QFZ 9QFZ V TKLO TKLO THLO DE TYUI TYUI V VTX7 VTX7 VTX7 DE TZ7B TZ7B V WZG6 WZG6 WZG6 DE 4VTG 4VTG V YUQW YUQW YUOQ DE ASDF ASDF V ZRM7 ZRM7 ZRM7 DE LCM0 LCM0 VVV Q2M Q2M Q2M DE NYZ NYZ V 6TRW 6TRW 6TRW DE J9NS J9NS V 8PEX 8PEX 8PEX DE TI5F TI5F V TY9D TY9D TY9D DE EOX2 EPX2	J4RT DE F8UY BJPQ DE B6TW B80R DE F7UY BJPQ DE D5T0 HJV8 DE F8UY BJPQ DE OPVY J20Q DE F8UY BJPQ DE OPPT CJ3K DE F8UY BJPQ DE F5RR BLQH DE GL7Q VLQS DE GL7Q B8RZ DE GL7Q G0MI DE GL7Q STL0 DE GL7Q 4LQS DE GL7Q ANC2 DE ZBC7 GL6V DE F8QR GL64 DE 8LUY NV82 DE ZBC7 2UC9 DE ZBC7 2MC9 DE ZBC7 ANC2 DE ZBC7	ZBC6 ANN2 V9BT HJIU B1P4 8LQW GQ9Y G68J PJH7 Z9ZX YNQL BU7X FUC7
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Messages:

8888 kHz, 02-04, 0312 UTC

AR K
8W = DTA6 K (Cont'd repeat groups)
R U GA GA
11W
11W = AT4U AR K
R 17W
17W = 36D6 AR K
R Q AGN ZSL 1117 K
SK (0320z silent)

4202 kHz, 03-04, 2221 UTC

674A 73.N DNAT 354U (Cont'd)
AR AR K
RPT 54W = 5A4D K
R OK OK
R WK NR NR 8.. K K
R NR NR 8. NR 803 K K
SK SK GB G B

5292 kHz, 04-04, 0938 UTC

VV BLQH DE GL7Q K
VV VLQS DE GL7Q K
VV B8RZ DE GL7Q K
VV G0MI DE GL7Q K
R QSA 1 SK
VV ... DE GL7Q K
VV STL0 DE GL7Q K
R QSA 1 K
SK
VV O.. DE GL7Q K
VV 4LQS DE GL7Q K
VV DE GL7Q K
R QSA 1 K
SK (0941z - Silent)

5115 kHz, 03-04, 1533 UTC

67N3 543U 4567 D753 76A4 (Cont'd)
AR
QSL ? K
R OK
GA (Silent - 1536z)

6637 kHz, 03-04, 1548 UTC

N4T5 T6A3 N7UU 7DAA NAA6 NT73 (Cont'd)
AR W
MASL 352W T
MASL 12352W T
MASL2352W
OK SK GB SK GB

6970 kHz, 04-04, 0925 UTC

R NIL
NIL SK
VV ANC2 Z EEEEE VV ANC2 Z ZBC6 EEEEE
VV ANC2 ZE EEEE VV ANN2 EEEEE
VV ANC2 DE ZBC7 K
(There, but mostly U/R)
R QSA 2 K
R RPT 79W = 6TUA 6TUA AR K
QSL 1719 = EE TA EEEE QSL 1719 K
WK NR 28 K
R NIL SK
VV .XU7 DE ZBC7 K
BU7.. DE U... (WEAK)
R QSA 2 K
RPT 53W K
R RPT 53W = 4D7A 4D7A K
QS.. 1723 K
R QSL 1720 K
OK HR WK NR 28 K
R HR WK NR 13.
R NIL
NIL
SK
SK (0930z - Silent)

3898 kHz, 08-04, 1404 UTC

RMKS CQ =
4TD3 64AD 4? 4576 NDTA A75U (Cont'd)
AR QSL? K
HR WK NR 36
VV 8LQW DE GW9. K
... DE F8QR R QSA2 EEEE QSL
N GL6V DE F8QR R QSA2 QSA? K
R QSA2 K
RPQ 10W K
R = D54? RP EEEE RPT 10W BT 8540 AR K
RPT 17 (Cont'd repeat groups)
QSL?
QSL 2215 K
R HR WK NR 36 K
R NIL .. K
VV A5. DE .9,. K (Horrible handsent CW)
VV B1P4 DE P9. K
R GL64 DE 8LUY R QSA2 QSA? K
QSA 2 K
NR PT NRPT 52W K (Cont'd to repeat groups)
R QSL?
QSL 2215 K
HR WK NR 36 K
R NIL
VV GQ9Y DE CP9. K
...K DE HJIU 6 R QSA2 QSA? K
QSA1 K
RPT .. (Cont'd to repeat groups)

6876 kHz, 03-04, 1303 UTC

VV J4RT DE F8UY K
R BJPQ DE B6TW R QSA 2 RB JPQ DE B6TW DR EEEE
R BJPQ DE B6TW R QSA 2 QSA? K
R QSA 2 AS K
R
VV B80R DE F7UY K
R BJPQ DE D5T0 R QSA 2 QSA? K
R QSA 2 AS
R
VV HJV8 DE F8UY K
R BJPQ DE 0PVY R QSA 2 QSA? K
R QSA 2 W EEE R QSA 2 AS K
R K
VV J20Q DE F8UY K
R BJPQ DE 0PPT R QSA 2 QSA? K
R QSA 3 AS K
R
VV D EEEEE
VV CJ3 QD EEEEE
VV CJ3K DE F8UY K
CJEEEEEE R BJPQ DE F5RR R QSA 2 QSA? K
R QSA 2 AS K
R
H7G GA
HR 7G GA
7G NR 005/EX CK 99 96 0403 2100 RMKS CQ
= (Handsent)
..5T U55N 75ND D4TD 64ND 4TA7 DTDU 76TD AN57 74T4 (Cont'd)

8183 kHz, 03-04, 1243 UTC

TO 5432 K
R GA (Both stations on this frequency)
R =
ADK1/C.A2 AR K
R =
ABC1/CBA2 AR K
BT T. = ABC1/CB.2 K
GA K
NR HR .. FF NR .0.1/EX ..5 K
... /974 =
ABC./D.2 AR K
R QSL 2055 K
OK
YK. 7G GA K
U .. GA
YR 7C GA K
R HR 7G GA K
R GA 7G NR 024 CK 99 42 0403 2055 RMKS 9974 TO 5432 K
R R GA
R HR 1W GA EEEE HR 1W GA K
5N ..5U 564A U3TN UDDT .NT. 5D6A TN36 TUAN TTTA K
R QSL 2102 K
H. 1W GA K
HR 11W GA K
HR 11W GA = ANU4 DU.. (Cont'd)

8244 kHz, 03-04, 1243 UTC

ND3U D7D5 7AU? 7AA3 T5T4 53U4 (Cont'd)
III III
3P = =
37A3 6DUU 5A33 DD4D (Cont'd)

8385 kHz, 04-04, 0208 UTC

435? 3?
PSE YR V R TC BFEQ WK AAHR KSNIL SPSE YR
WPSE YR UR YR TCF R EQ WK
V R YR TC BR SQ WK AHR NIL SK GB
PSE YR VR YR TC BR EQ WK AHR NIL SK GB
E (0210z - Silent)

7711 kHz, 09-04, 0252 UTC

19W = = N7UA N7UA
QSL 1052 (Both stations on this frequency)
FTE
QSL 104 QSL 1053 (0253z) (Sending letter O for zero)
G. A
MSG CY MSG CY
MSG CY GA
MSG NR 080X 100 EX 049 1055
GA = = = =
TAN4 TU6U T6UU 3U33 ND33 ND5A 7TT4 N7NA N646 (Cont'd)
III W
OK QSL 1100
QSL 1100
LL TO HR
MSG CY GA
LL TO HR
NIL SK GB NIL SK GB (0259z silent)

6751 kHz, 10-04, 1014 UTC

DE G68J QSA 1 QSA? K
G68J QSA 3 K
OK K
R K
DE PJH7 QSA 1 QSA? K
PJH7 QSA 3 K
OK K
R K
DE Z9ZX QSA . QSA? K
Z9ZX QSA 3 K
OK K
R K
DE YNQL QSA 1 QSA? K
YNQL QSA 3 K
OK K
R K (1017z silent)

5555 kHz, 22-04, 1137 UTC

GA K
0900
R 0 OK 000 00
EEE OB
NI2B K
HR N.
HR MSG 5555 GA
555555 =
MSG NR 23000 CK 199 23 0422 2NTT RMKS 7486 7356 NN
== =
MAMZ MSG NEEE 555 =
EX EX EX EX EX EX HEX EX EX EX EEEEE
37DNTAUEA 37DNT AR K
54E3 337D NT AR K K K
MSG NN TAGN MSG NR 2307 EEEEEEEEE
MSG NR 230. CK .. (Different station)
CK CK CK CK CK
7G 7G NR 1000 CK CK CK
CK CK CK CK CK CK CK CK K CK CK CK CK
.... 654U 65AD 5TU3 U7NA 75D6 DNA5 UN35 TUD3 TTAD (Cont'd)

5460 kHz, 08-04, 1931 UTC

AR
OK HR GA K
R 7G/16/CCK CK 102 92 0409 0330 RMKS 2247 TO 9782 K
R GA (Both stations on this frequency)
=
5.7D63 A373 4D? 4D46 .6.. (Cont'd - handsent - horrible CW)

3856 kHz, 06-04, 1538 UTC

DE V9BT QSA 2 K
R GA R GA
R QSL ...5 K
R CK QSL 2346 K
R DE EEE Q SL 2346 K
R HR GA MSG NR 4. CK 99 66 0406 2347 RMKS 4413 TO 4323 K
R GA
DD4T EEEEE GA =
N47U 56D5 6DAD 77N3 A3A6 33TU U4TN U67D T5UT T6N. (Cont'd)
AR K
R RPT 68W = 6UN3 6UN3 AR K
R R (Switched to voice - 1553z)

7602 kHz, 06-04, 1514 UTC

VVV HR SVC GA
NR 36 2300 RMKS 1349 TO 1194/1329 =
COMM/2345/LZ986 A9/1347/1194 AR
QSL? HR WK NR 27 GB

8054 kHz, 06-04, 1332 UTC

3D7N N7NE E EEE ..
MSG NR 267 CK 299 42 0406 2126 RMKS 4904 TO 8979 K
BT (Machine sent, however RMKS 4904 TO 8979 K was handsent)
TNTA U4U6 U3D7 T46U A3.4 D535 67.A 65AT TA67 TTU4 (Cont'd)
III AR
QSL? K
RPT RPT RPT K
RPT RPT
EEEE MSG NR 26 EEEEEEE
MSG NR 267 CK 299 42 0406 2126 RMKS 4904 TO 8979 K
R R ... K
R GA K

7811 kHz, 08-04, 1021 UTC

D733 AR AR AR W W
SOK Q QSL 1842 (Both stations on this frequency)
OK MSG MSG
MSG NR 068 K CK 100 EX 0408 1843 ==
MSG NR 068 K CK 100 EX 0408 1843 =
MSG NR 068 K CK 100 EX 0408 1843 == == =
NNAN5 = (Machine sent)
NAN5 T553 TTT4 TD63 N454 N7N3 TUT3 N7U5 NAAA N354 UTUU (Cont'd)
AR AR W
QSL 1848
OK MSG MSG AS AS AS AS AS
MSG NR 069 K CK 200 EX 0408 1849 ==
MSG NR 069 K CK 200 EX 0408 1849 == == == =
7T55 T7U4 N35A NNNA NA35 TTT3 TAA3 T5A6 NUN5 N4A4 (Cont'd)
MSG NR 069 K CK 100 EX 0408 1849 = = (1050z) (Group count changed from 200 to 100)
... GA K = == =
7T55 T7U4 N35A NNNA NA35 TTT3 TAA3 T5A6 NUN5 N4A4 (Cont'd)
AR AR W
14W 14W 14W
16W BT T553 W
E2W 52
52W 52W 52W
52W N6NA W
53W 53W
53W A576
OK QSL 1856
OK MSG MSG
GA
MSG NR 070 K CK 100 EX 0408 1857 ==
GA GA GA = == =
T336 TTTA N344 TD7A NUU6 N7U3 7N44 7TTA NDU4 A576 (Cont'd)
OK QSL 1902
FM 3 = OKO OK K
NIL SK GB GB NIL SK GB NIL SK GB NIL SK GB

6970 kHz, 15-04, 0309 UTC

GA HR MSG GA
MSG NR .92/EX CK 99 86 0415 1100 <86%200415%201100> RMKS CQ =
NA4. 67D7 7635 7646 U566 734U N47A 56D7 6NT5 3TD3 TT.. TTTD (Cont'd)
AR
VV NVFM AR
VVV NV2E EEEEE
VV NV82 DE ZBC7 K
N6U7X DE BB.U R QSA 2 QSA ? K
R QSA 2 K
R RPT 91W K
R RPT 91W = TD5D TD5D AR K
R RPT ...
R RPT .W2 TD5T TD5T K EEEEE
RPT 91W BT TD5D TD5D AR K
R RPT 99W K
R RRPT 99W BT UTA5 UTA5 AR K
QSL 0114 K
R QSL 0116 K
R HR WK NR .8 K
R ... K
VV 2MC9 DE ZBC7 K EEEE
VV 2UC9 DE ZBC7 K
R 87W = ? 7535 7535 AR K
R QSL 1117 K
KNI..2 K
KP K
VV .C6R DE ZBC7 K
BU7X . FUC7 R QSA2 QSA? K
R QSA 2 K
.....
R R PT 57W = 7445 7445 AR K
.....
R HR WK NR 28 K
NIL ..
R KP K
VV ANC2 DE ZBC7 K
.....
R QSA2 K
R RPT 87W BT 7535 7535 K
R HR WK NR 28 K
OK 2 K
R KP K
VV 8XU. DE ZBC7 K
.....
R QSA 2 K (Fading badly)

5177 kHz, 16-04, 1521 UTC

7UT3 A64D U56N DTU4 5UTN 53AN T35N (Cont'd)
AR QSL? K
R A4A6 D5 47D5 ADN3 AUDT D3TA 4T6A D5U6 D73A DN35 (Cont'd)
= 5734 5... (Cont'd)

5200 kHz, 08-04, 1339 UTC

=====
U473 TUUT TTTT AA5A N577 6D4N TNTT (Cont'd)
III = = N55. TU.. (Cont'd)
III = = N357 3UNA T55D 6N34 (Cont'd)
III = = T4TA DU77 D5A6 5573 (Cont'd)
III = = = 4334 74D 544T 3N45 4U65 (Cont'd)
III = = = T6D6 3UA7 AU4D U4N5 65U4 (Cont'd)

8236 kHz, 10-04, 1029 UTC

= TU34 TAT4 D67EEE J234 TAT4D TAT4D 67EEEE
TAT4D TAT4D 67III TAT4D 67III
RPT 67W = AU34 AR K
N G 67. = AA34 CK NP NG. VH = TE
NGT NGT NGT NGT = PBD K
AGN GGG BDD
T BNND R GSE . K DMNO P QRU AUMXM MY Z
T BCD FGSE OK DMN OP QRU UU MXY Z
TBCD R GSE OK DMNO G QRU AU MXYZ TE BE YD RG
QSTJ ? K
Q. QID HJ34 K
QID ON GT GB D
7GGT A CY K
SN MK W SN MSG GA
SN MK NNT06 SN MKNN06 K
7G NN T38 CK 99 75 030 .600 N
MSG NR 038 CK 99 7EEEE
MSG NR 038 CK 99 75 0410 1600
MSG NR 038 CK 99 75 0410 1600 RMKS 8671 TO 9909 K (1039z silent)

8112 kHz, 12-04, 1639 UTC

In tfc: 5D67 DT44 DA4T 76.T AND. (Cont'd)
III = T7TD N65A (Cont'd)
III = D.T5 354A 45.5 (Cont'd)

8810 kHz, 15-04, 0249 UTC

7TTU TU.3 TTT4 N5U3 N7UA 7455 (Cont'd)
AR
V6W 46W (Both stations in this frequency)
46W = = = TUTU
47W 47W = = = TUT5
72W 72W = = = N4A4
73W 73W = = = NNNA (0254z silent)



UM01 – Unid CQ station

The unid CQ net is still very active, 24 hours a day. Still no idea who this is. No other traffic noted than the CQ P or M xx. So far only heard on 3581 kHz in Siberia. Most probably a net in Siberia.

01-04 1003 CQ P 13	08-04 1008 CQ P 5	16-04 1000 CQ P 18
01-04 1317 CQ P 13	08-04 1205 CQ P 5	16-04 1027 CQ P 19
01-04 1912 CQ P 11	08-04 1336 CQ P 5	16-04 1123 CQ P 16
02-04 1540 CQ P 11	08-04 1400 CQ P 5	16-04 1509 CQ P 10
02-04 2151 CQ P 10	08-04 1422 CQ P 5	16-04 1748 CQ P 8
03-04 1023 CQ P 10	08-04 1600 CQ P 6	16-04 1817 CQ P 8
03-04 1240 CQ P 9	08-04 1737 CQ P 6	16-04 1935 CQ P 7
03-04 1511 CQ P 7	08-04 1914 CQ P 6	16-04 2143 CQ P 6
03-04 1600 CQ P 6	08-04 2208 CQ P 6	16-04 2154 CQ P 5
03-04 1739 CQ P 5	08-04 2307 CQ P 6	16-04 2340 CQ P 4
03-04 1942 CQ P 4	09-04 0245 CQ P 6	17-04 0135 CQ P 5
03-04 2100 CQ P 4	09-04 1045 CQ P 9	17-04 0804 CQ P 10
03-04 2206 CQ P 4	09-04 1637 CQ P 8	17-04 0843 CQ P 11
04-04 0214 CQ P 3	09-04 1649 CQ P 7	17-04 1340 CQ P 12
04-04 0907 CQ P 7	09-04 1950 CQ P 6	17-04 1550 CQ P 10
04-04 0947 CQ P 7	09-04 2158 CQ P 5	17-04 1725 CQ P 9
04-04 1106 CQ P 8	10-04 0056 CQ P 5	17-04 2043 CQ P 7
04-04 1234 CQ P 8	10-04 0953 CQ P 11	17-04 2152 CQ P 6
04-04 1445 CQ P 7	10-04 2044 CQ P 11	18-04 1336 CQ P 13
04-04 1703 CQ P 6	10-04 1310 CQ P 10	18-04 1444 CQ P 13
04-04 1833 CQ P 5	10-04 1932 CQ P 9	18-04 1549 CQ P 12
04-04 2128 CQ P 4	10-04 2143 CQ P 9	18-04 1641 CQ P 12
04-04 2158 CQ P 4	10-04 2340 CQ P 8	18-04 1935 CQ P 11
05-04 0916 CQ P 4	11-04 0201 CQ P 6	18-04 2312 CQ P 9
05-04 1135 CQ P 4	11-04 1215 CQ P 3	19-04 1355 CQ P 13
05-04 1528 CQ P 3	11-04 1243 CQ P 3	19-04 1523 CQ P 13
05-04 1627 CQ P 2	11-04 1435 CQ P 2	22-04 1643 CQ M 0
05-04 1707 CQ P 2	11-04 1929 CQ P 0	22-04 2100 CQ M 1
05-04 1825 CQ P 1	12-04 0204 CQ M 1	25-04 1417 CQ P 16
05-04 2310 CQ M 0	12-04 1102 CQ M 1	25-04 1613 CQ P 16
06-04 0009 CQ M 1	12-04 1206 CQ M 1	25-04 1838 CQ P 16
06-04 0835 CQ P 4	12-04 1628 CQ M 2	25-04 2010 CQ P 16
06-04 1356 CQ P 4	12-04 1743 CQ M 2	26-04 0006 CQ P 15
06-04 1509 CQ P 4	12-04 1810 CQ M 3	28-04 0319 CQ P 3
06-04 1557 CQ P 3	12-04 1930 CQ M 3	28-04 1500 CQ P 1
06-04 1657 CQ P 3	14-04 0141 CQ M 2	28-04 1746 CQ P 1
06-04 1905 CQ P 2	14-04 1003 CQ P 2	28-04 1857 CQ P 1
06-04 2000 CQ P 2	14-04 0134 CQ M 1	28-04 1917 CQ P 1
06-04 2118 CQ P 2	14-04 1011 CQ P 5	29-04 1208 CQ P 5
07-04 0101 CQ P 2	14-04 1106 CQ P 5	29-04 1300 CQ P 4
07-04 0153 CQ P 3	14-04 1227 CQ P 5	29-04 1514 CQ P 3
07-04 0206 CQ P 4	14-04 1729 CQ P 3	29-04 1647 CQ P 2
07-04 1002 CQ P 8	14-04 1925 CQ P 2	29-04 2117 CQ P 1
07-04 1029 CQ P 8	14-04 2235 CQ P 2	29-04 1208 CQ P 5
07-04 1150 CQ P 9	14-04 2316 CQ P 1	29-04 1300 CQ P 4
07-04 1412 CQ P 8	15-04 1316 CQ P 11	29-04 1520 CQ P 3
07-04 1624 CQ P 6	15-04 1518 CQ P 8	30-04 1814 CQ P 4
07-04 1825 CQ P 5	15-04 1729 CQ P 6	30-04 2011 CQ P 4
07-04 2217 CQ P 4	15-04 1941 CQ P 5	30-04 2113 CQ P 4
07-04 2342 CQ P 4	15-04 2334 CQ P 3	30-04 2247 CQ P 4
08-04 0222 CQ P 3	15-04 2338 CQ P 2	



UM10

Unid 10-minutes net

3334	03-04	1516	POCI	(1515-1525 slot)	4136	16-04	1519	POCI	(1515-1525 slot)
4136	03-04	1516	POCI	(1515-1525 slot)	3334	25-04	1618	POCI	(1615-1625 slot)
3334	03-04	1745	POCI	(1545-1555 slot)	4136	25-04	1618	POCI	(1615-1625 slot)
4136	03-04	1745	POCI	(1545-1555 slot)	3334	29-04	1523	POCI	(1515-1525 slot)
4136	06-04	1524	POCI	(1515-1525 slot)	3334	30-04	1746	POCI	(1745-1755 slot)
3334	08-04	1920	POCI	(1915-1925 slot)	3709	06-04	1521	NJ6A	(1520-1530 slot)
4134	08-04	1920	POCI	(1915-1925 slot)	3709	06-04	1557	NJ6A	(1550-1600 slot)
3334	12-04	1747	POCI	(1745-1755 slot)	3709	08-04	2014	NJ6A	(1320-1330 slot)
4136	12-04	1747	POCI	(1745-1755 slot)					

VARIOUS MODES



HM01

Dirección General de Inteligencia

M08a and **HM01** schedules

Compiled by Don Schimmel + additional info from UDXF

Revision date: 28 April 2014

UTC	Sun	Mon	Tue	Wed	Thu	Fri	Sat	UTC
0000								0000
0100								0100
0200								0200
0300								0300
0400								0400
0500	5860	5860	14375	5860	14375	5860	14375	0500
0600	10345	10345	14375	10345	14375	10345	14375	0600
0700	9330	9330	13435	9330	13435	9330	13435	0700
0800	9065	9065	11635	9065	11635	9065	11635	0800
0900	9240	9240	12120	9240	12120	9240	12120	0900
1000	5855 9155	5855 9155	12180 11635	5855 9155	12180 11635	5855 9155	12180 11635	1000
1100								1100
1200								1200
1300								1300
1400	8097	8097	8097	8097	8097	8097	8097	1400
1500								1500
1600	11435	11435	11435	11435	11435	11435	11435	1600
1700	11550	11550	11550	11550	11550	11550	11550	1700
1800	11635	11635	11635	11635	11635	11635	11635	1800
1900								1900
2000	7554	7554	7554	7554	7554	7554	7554	2000
2100	11635	11635	16180	11635	16180	11635	16180	2100
2200	10715	10715	17480	10715	17480	10715	17480	2200
2300		8009	8135	8009	8135	8009	8135	2300
2300	11530	11530	17540	11530	17540	11530	17540	2300
UTC	Sun	Mon	Tue	Wed	Thu	Fri	Sat	UTC

M42 variants & X06



Modes:
Various digital modes, CW,
Tones (Мазелка / Mazielka)

Russian Government & Intelligence



14380 kHz, 12-04, 1032 UTC, CW

(In tfc - machine sent - T=0 - very fast)

47596 85771 18878 99303 51825 79681 96703 92112 81844 33438
76763 45833 78589 55468 54836 36433 76970 62579 83716 11037
24132 62193 79999 14491 56731 48396 41242 69470 99357 78838
45242 68141 87067 77917 54845 85216 68776 36958 57061 92215
92894 60805 49189 37730 87238 16160 90309 60954 17197 13148
87196 59879 25593 40176 19350 14950 54593 13186 67157 31660
81103 12002 39880 38961 =

14380 kHz, 12-04, 1038 UTC, CW

11100 60102 00000 12087 01003 =

RKKAQ JFXQB UNFPJ JEJHW SMCXP MRCYS ZPCKR TVXQN YLBFC MOGVW
ENKGM AVFET XEKAQ CTNZL BXYEC BQSJL OAAZW OBRVF MTJXV ZZQPA
DQZCU DFMVO ZKEBL BPOUK THFFG CGHSV HWNGA HLFVG VUSCV FFKTZ
XPIEU OHCVZ YEXLM ZVXGS GENYG IELVX MUOXY INFNJ HLPGY EGVBM
OHQDI YNMLI LYEAX DKKKX VTKLA JPGGS UWCLZ KJNYV XJVCL SHWCR
VYLGL NRCTX WPUYA TKMII JGUEI FYPDC IZAVF NIWRD VOTRO VLZHT
JQBDU JLUAO XJPZE UNPSG SOUNF JJSKQ OTJPF FBKAB AXKQW RKLGF
SATOO AXXVH PJDYA CEBOE DODPE ZGPNO WHPV FRVEM ETVHU YLYZZ
ECOHU SICJV RFCKW APOVV AZQYH KWSKX UOCIV WAEYK BRRGB OGSCD
NECGC LQAGB YAPAI NYKRW UUQMA RCIME LZIQF NBYPJ ZPJQR =
CFM QRV QRQ2 K K
QSL2 K
NIL
SK

10202 kHz, 02-04, 2215 UTC, FSK 200/1000

Link ID 49202	Msg Number 002	Msg Type 07136	Group Count (?) 4	06080 00000 00000 02509 37839 03463 00895 28479
Link ID 49264	Msg Number 000	Msg Type 40941	Group Count (?) 142	40942 00008 00000 02893 37699 35974 00893 26173
Link ID 00050	Msg Number 002	Msg Type 07728	Group Count (?) 142	08068 00000 00000 02509 37831 36239 00895 26367
Link ID 49168	Msg Number 130	Msg Type 04969	Group Count (?) 0	04164 00000 00000 00101 37217 36354 02356 09116
Link ID 32800	Msg Number 000	Msg Type 00714	Group Count (?) 0	00216 00016 00000 00141 33026 02052 00043 00011
Link ID 49238	Msg Number 006	Msg Type 00505	Group Count (?) 4	01532 00000 00017 03019 14239 02831 01775 52606
Link ID 49154	Msg Number 002	Msg Type 39913	Group Count (?) 4	07620 00000 00000 00207 54215 53142 00829 30237
Link ID 24817	Msg Number 201	Msg Type 47993	Group Count (?) 142	49120 00000 32776 01399 57707 61003 02358 15262
Link ID 36964	Msg Number 004	Msg Type 07155	Group Count (?) 4	05596 00017 00273 00651 47063 36748 01904 61188
Link ID 57394	Msg Number 002	Msg Type 39935	Group Count (?) 132	40446 00136 32768 02509 37831 36230 00893 26173
Link ID 12433	Msg Number 129	Msg Type 08189	Group Count (?) 142	40942 00512 32768 01127 53739 53067 02358 16286
Link ID 49200	Msg Number 000	Msg Type 07167	Group Count (?) 12	05630 00017 00000 02185 14222 02573 01643 58474
Link ID 49264	Msg Number 000	Msg Type 07145	Group Count (?) 4	05572 00000 00000 02511 63455 61327 02043 65406
Link ID 24731	Msg Number 143	Msg Type 04093	Group Count (?) 14	04078 00008 32780 01271 65023 65391 03903 16351
Link ID 16418	Msg Number 002	Msg Type 07136	Group Count (?) 4	05572 00000 00000 00141 37829 36100 00313 26125
Link ID 49168	Msg Number 000	Msg Type 07145	Group Count (?) 4	04548 00000 00000 00076 33666 36096 00059 09226
Link ID 24594	Msg Number 130	Msg Type 01021	Group Count (?) 14	04094 00136 32768 00079 37739 36619 00310 31646

16320 kHz, 02-04, 0150 UTC, FSK 200/1000

Link ID 43067	Msg Number 119	Msg Type 07145	Group Count (?) 245	32768 46697 45315 32452 21750 33746 56798 16520
Link ID 32822	Msg Number 190	Msg Type 07145	Group Count (?) 245	32776 46793 37635 07236 65278 38871 57343 57480
Link ID 61608	Msg Number 131	Msg Type 32523	Group Count (?) 170	53503 03596 01790 00348 40283 45925 63722 63247

14880 kHz, 02-04, 0230 UTC, FSK 200/1000

Link ID 57616	Msg Number 048	Msg Type 02890	Group Count (?) 18	00001 02065 33056 01816 32786 10019 63136 17104
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16320 kHz, 03-04, 0150 UTC, FSK 200/1000

Link ID 41002	Msg Number 084	Msg Type 08181	Group Count (?) 245	55304 45040 20164 04400 00182 50914 04348 01671
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14880 kHz, 03-04, 0230 UTC, FSK 200/1000

Link ID 15395	Msg Number 164	Msg Type 12552	Group Count (?) 17	10240 01861 47171 01259 24970 11376 61681 62235
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10202 kHz, 09-04, 2215 UTC, FSK 200/1000

Link ID 49202	Msg Number 002	Msg Type 07145	Group Count (?) 4	17772 00000 00000 00181 28271 34976 00893 08938
Link ID 49211	Msg Number 003	Msg Type 07145	Group Count (?) 4	17772 00000 00000 00247 65407 52472 00895 15354
Link ID 49202	Msg Number 002	Msg Type 07145	Group Count (?) 4	17772 00000 00000 00181 28287 35041 00895 08958
Link ID 49202	Msg Number 002	Msg Type 07145	Group Count (?) 4	17772 00000 00000 00181 28271 34976 00893 08938
Link ID 49202	Msg Number 002	Msg Type 07145	Group Count (?) 4	17772 00000 00000 00247 65535 35041 02047 14078
Link ID 16434	Msg Number 002	Msg Type 07136	Group Count (?) 4	17772 00000 00000 00181 28271 34976 00893 08938
Link ID 49202	Msg Number 002	Msg Type 07145	Group Count (?) 4	17772 00000 00000 00181 28271 34976 00895 08942
Link ID 49202	Msg Number 002	Msg Type 08185	Group Count (?) 14	53100 00000 00000 00181 28271 34976 00893 08938
Link ID 49458	Msg Number 002	Msg Type 08171	Group Count (?) 12	20476 00017 00000 00245 28207 34848 00831 24815
Link ID 49526	Msg Number 006	Msg Type 08171	Group Count (?) 12	53244 04369 00016 00255 65407 34976 00893 29418
Link ID 49202	Msg Number 002	Msg Type 07145	Group Count (?) 4	17772 00000 00000 00245 28271 34976 00884 08936
Link ID 49211	Msg Number 003	Msg Type 08189	Group Count (?) 14	53116 00000 00000 01783 65407 52464 00893 15338
Link ID 00059	Msg Number 131	Msg Type 07152	Group Count (?) 14	18300 00000 00000 00245 28271 34976 00893 08938
Link ID 49200	Msg Number 000	Msg Type 08169	Group Count (?) 12	53116 00000 00000 00055 65535 36065 02047 30718
Link ID 49177	Msg Number 129	Msg Type 07145	Group Count (?) 4	17772 00000 00000 00082 46703 16544 00382 04350
Link ID 00050	Msg Number 003	Msg Type 07136	Group Count (?) 4	17772 00000 00000 00183 65407 52472 00887 15359
Link ID 49202	Msg Number 002	Msg Type 07145	Group Count (?) 4	17772 00000 00000 00191 65535 35041 02047 30462
Link ID 16400	Msg Number 000	Msg Type 00352	Group Count (?) 0	00044 00000 00000 00021 28287 36088 00895 11263
Link ID 49202	Msg Number 002	Msg Type 07145	Group Count (?) 4	58732 00000 00000 00181 28671 35040 02045 14074
Link ID 49202	Msg Number 002	Msg Type 08171	Group Count (?) 12	53244 00016 00000 00181 28271 34976 00893 08938
Link ID 49270	Msg Number 134	Msg Type 07145	Group Count (?) 4	17772 00000 00016 00255 65535 35048 02045 30458
Link ID 49526	Msg Number 006	Msg Type 07145	Group Count (?) 4	17788 00001 00016 00255 65535 35041 02047 30462
Link ID 49522	Msg Number 002	Msg Type 08191	Group Count (?) 14	53246 00024 00000 00181 28271 34976 00893 08938
Link ID 49270	Msg Number 006	Msg Type 07145	Group Count (?) 14	20348 00000 00016 00247 65535 35041 02047 14078
Link ID 49202	Msg Number 002	Msg Type 08169	Group Count (?) 4	19820 00000 00000 00181 28671 35041 02047 14078

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Link ID 02079	Msg Number 190	Msg Type 01027	Group Count (?) 95	41018 30566 33011 36849 16383 56191 34815 32667
Link ID 41023	Msg Number 240	Msg Type 06633	Group Count (?) 243	32776 24839 30711 18480 29950 00243 36849 33015
Link ID 49466	Msg Number 112	Msg Type 07136	Group Count (?) 245	32768 24835 00550 00048 21648 32770 36112 32865
Link ID 16750	Msg Number 240	Msg Type 04802	Group Count (?) 192	32784 18207 61166 32880 63532 37078 39090 37351
Link ID 49305	Msg Number 159	Msg Type 02273	Group Count (?) 25	23933 52247 31727 53239 61583 37331 65223 59069

14880 kHz, 09-04, 0230 UTC, FSK 200/1000

Link ID 41018	Msg Number 240	Msg Type 07145	Group Count (?) 245	32768 25351 30566 16432 30390 32867 53201 49267
Link ID 64432	Msg Number 027	Msg Type 19900	Group Count (?) 46	03594 01719 26382 18623 14547 63040 61492 12544
Link ID 00032	Msg Number 000	Msg Type 00000	Group Count (?) 0	00000 00000 00000 00000 00000 00000 00000 00000
Link ID 41023	Msg Number 240	Msg Type 08177	Group Count (?) 247	32768 29447 30711 16496 63103 55539 57080 56571
Link ID 41022	Msg Number 112	Msg Type 07145	Group Count (?) 245	32768 25351 30694 16432 21686 32867 36339 32887
Link ID 41016	Msg Number 112	Msg Type 08169	Group Count (?) 245	34816 25351 30566 16432 05302 32867 36305 32883
Link ID 41018	Msg Number 112	Msg Type 04585	Group Count (?) 112	32768 08967 30566 16432 30454 57587 36849 35955
Link ID 41018	Msg Number 112	Msg Type 39913	Group Count (?) 245	32768 25351 30502 16432 21534 32881 34032 32945

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Link ID 13372	Msg Number 000	Msg Type 15990	Group Count (?) 32	18272 04096 00000 00415 32015 07682 39184 65279
Link ID 13374	Msg Number 000	Msg Type 08246	Group Count (?) 0	00864 00000 00000 00343 14339 00779 00000 14583
Link ID 41022	Msg Number 254	Msg Type 06633	Group Count (?) 245	36864 29331 56759 00255 62646 32986 50969 24379
Link ID 41016	Msg Number 114	Msg Type 08171	Group Count (?) 255	32784 30643 56720 32839 05375 33023 59193 65403
Link ID 08251	Msg Number 122	Msg Type 04416	Group Count (?) 81	00000 12307 64925 00239 62646 49370 16409 22075
Link ID 61466	Msg Number 056	Msg Type 26367	Group Count (?) 120	60366 42903 32848 32905 07679 16078 30335 55263
Link ID 08250	Msg Number 122	Msg Type 07137	Group Count (?) 245	34944 31635 23957 00239 21686 32986 18193 24379
Link ID 41010	Msg Number 010	Msg Type 39145	Group Count (?) 240	32768 41619 54276 00231 04278 32986 18201 24379
Link ID 41018	Msg Number 122	Msg Type 48105	Group Count (?) 245	32768 29331 56709 00231 21759 33018 18297 55163

14880 kHz, 11-04, 0230 UTC, FSK 200/1000

Link ID 12342	Msg Number 000	Msg Type 12342	Group Count (?) 0	00096 00000 00000 00338 03074 03840 00256 48646
Link ID 12342	Msg Number 000	Msg Type 13366	Group Count (?) 0	00864 00000 00000 00263 15371 03851 00000 48887
Link ID 45520	Msg Number 179	Msg Type 01026	Group Count (?) 12	00240 00000 04416 03903 61915 41749 02166 01907
Link ID 40976	Msg Number 181	Msg Type 07145	Group Count (?) 245	32768 29331 57280 02297 43739 16613 09088 12188
Link ID 00713	Msg Number 120	Msg Type 15777	Group Count (?) 5	17614 28033 04368 03858 00874 36492 00679 28028

14880 kHz, 14-04, 0230 UTC, FSK 200/1000

Link ID 00032	Msg Number 036	Msg Type 04096	Group Count (?) 97	32768 49152 00008 00112 00038 00004 28744 57480
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9247 kHz, 15-04, 2310 UTC, FSK 200/1000

Link ID 40988	Msg Number 057	Msg Type 07145	Group Count (?) 4	51428 00000 00000 00607 36848 49393 02047 16380
Link ID 40988	Msg Number 057	Msg Type 40937	Group Count (?) 6	60644 00128 00000 00607 00624 33008 00816 15888
Link ID 45084	Msg Number 057	Msg Type 04585	Group Count (?) 0	51428 00000 00000 00639 00624 33008 00893 15924
Link ID 57372	Msg Number 057	Msg Type 07145	Group Count (?) 4	51428 00000 00000 00607 00560 33008 00829 15892
Link ID 00028	Msg Number 057	Msg Type 07145	Group Count (?) 4	51424 00000 00000 00607 00624 33008 00893 15932
Link ID 40988	Msg Number 057	Msg Type 08187	Group Count (?) 12	51444 04560 00000 00607 00760 33009 02047 16382
Link ID 57372	Msg Number 057	Msg Type 07161	Group Count (?) 4	51444 00000 00000 00607 00624 33008 00893 15924
Link ID 40988	Msg Number 057	Msg Type 05097	Group Count (?) 4	51428 00000 00000 00607 00624 33008 00893 15924
Link ID 61469	Msg Number 050	Msg Type 07149	Group Count (?) 4	51438 00024 00001 00190 05872 00241 02030 32360
Link ID 61452	Msg Number 016	Msg Type 08191	Group Count (?) 4	51453 00031 00000 00002 01136 00241 02047 28476
Link ID 28700	Msg Number 049	Msg Type 07137	Group Count (?) 4	51428 00000 00000 00591 00624 33008 00893 15924
Link ID 40988	Msg Number 057	Msg Type 07145	Group Count (?) 4	52452 00000 00000 00607 00624 33008 00893 15924
Link ID 61468	Msg Number 057	Msg Type 03069	Group Count (?) 6	51454 00008 32768 00639 00632 33008 01023 16062
Link ID 61501	Msg Number 123	Msg Type 08187	Group Count (?) 12	51452 00273 00001 01791 05872 33008 02047 32380

16320 kHz, 16-04, 0150 UTC, FSK 200/1000

Link ID 28734	Msg Number 137	Msg Type 06848	Group Count (?) 246	32768 14130 50423 11123 64879 36863 15963 63471
Link ID 63251	Msg Number 127	Msg Type 52764	Group Count (?) 34	23386 03832 19465 05436 40692 61592 05899 42746

14880 kHz, 16-04, 0230 UTC, FSK 200/1000

Link ID 12294	Msg Number 000	Msg Type 13366	Group Count (?) 0	16384 00000 00000 01136 03073 01036 00000 04102
Link ID 41011	Msg Number 137	Msg Type 07144	Group Count (?) 241	32768 01586 49200 08194 20658 34322 00256 24851
Link ID 12563	Msg Number 127	Msg Type 52232	Group Count (?) 32	20512 00560 01032 01308 40672 61441 04865 41545
Link ID 29731	Msg Number 043	Msg Type 00198	Group Count (?) 128	02079 16418 59726 02386 00027 00606 16631 49214
Link ID 00016	Msg Number 136	Msg Type 05064	Group Count (?) 245	32768 09746 50417 00624 17590 36438 04681 09503

10202 kHz, 16-04, 2215 UTC, FSK 200/1000

Link ID 49202	Msg Number 002	Msg Type 07145	Group Count (?) 4	53100 00000 00000 04012 31827 33519 00893 20507
Link ID 49202	Msg Number 002	Msg Type 07145	Group Count (?) 4	53100 00000 00000 04012 31835 33535 00895 20639
Link ID 53298	Msg Number 002	Msg Type 08171	Group Count (?) 12	53116 00017 00000 04012 31987 34543 01917 61467
Link ID 49202	Msg Number 002	Msg Type 07145	Group Count (?) 4	53100 00000 00000 04012 31827 33519 00893 20507
Link ID 49202	Msg Number 002	Msg Type 07145	Group Count (?) 4	53100 00000 00000 04012 31827 33519 00893 20511
Link ID 49202	Msg Number 002	Msg Type 07145	Group Count (?) 4	53100 00000 00000 03852 31827 33519 00893 20507
Link ID 53366	Msg Number 006	Msg Type 08171	Group Count (?) 12	53244 04369 00273 04076 64759 34543 02047 61503
Link ID 57523	Msg Number 131	Msg Type 07165	Group Count (?) 12	53118 00008 00000 04094 32377 50175 00894 30877
Link ID 49202	Msg Number 002	Msg Type 07145	Group Count (?) 4	53100 00000 00000 04012 31827 33519 00893 20507
Link ID 49202	Msg Number 002	Msg Type 07145	Group Count (?) 4	53100 00000 00000 04076 64759 34543 02047 61503
Link ID 36964	Msg Number 004	Msg Type 05059	Group Count (?) 12	36568 00273 00273 03656 63511 01167 01610 45060

Link ID 49202	Msg Number 002	Msg Type 07145	Group Count (?) 4	53100 00000 00000 04012 31827 33519 00893 20507
Link ID 49202	Msg Number 002	Msg Type 07145	Group Count (?) 4	53100 00000 00000 04012 31827 33519 00893 20507
Link ID 49202	Msg Number 002	Msg Type 03049	Group Count (?) 4	53100 00000 00000 04012 31827 33519 00895 20511
Link ID 49206	Msg Number 006	Msg Type 07149	Group Count (?) 4	53102 00008 00017 04076 64759 34543 02047 61503
Link ID 49202	Msg Number 002	Msg Type 08169	Group Count (?) 12	53100 00000 00000 04012 31827 33519 00893 20507
Link ID 16435	Msg Number 131	Msg Type 07137	Group Count (?) 4	53100 00000 00000 02046 32379 50175 00894 30877
Link ID 49398	Msg Number 134	Msg Type 16361	Group Count (?) 12	53100 04096 00369 04076 64759 34543 02047 61503
Link ID 53366	Msg Number 006	Msg Type 16363	Group Count (?) 12	53244 04369 00273 04076 65271 34543 02047 61503
Link ID 49202	Msg Number 002	Msg Type 07145	Group Count (?) 4	53100 00000 00000 04012 31827 33519 00895 20511
Link ID 49202	Msg Number 002	Msg Type 07145	Group Count (?) 4	53100 00000 00000 04012 31859 33519 00893 28699
Link ID 49202	Msg Number 002	Msg Type 07145	Group Count (?) 4	53100 00000 00000 04012 32339 49903 00893 28699
Link ID 49202	Msg Number 002	Msg Type 07147	Group Count (?) 4	53116 00000 00000 04012 31867 33535 00895 22687
Link ID 00050	Msg Number 002	Msg Type 07145	Group Count (?) 4	53100 00000 00000 04012 31827 33519 00893 20507
Link ID 49202	Msg Number 002	Msg Type 08171	Group Count (?) 12	53244 00272 00000 04012 31827 33519 00893 20507
Link ID 49202	Msg Number 002	Msg Type 07145	Group Count (?) 4	53100 00000 00000 04012 31827 33519 00893 20507
Link ID 49184	Msg Number 000	Msg Type 07145	Group Count (?) 4	53100 00000 00000 03592 30903 01231 01771 12326
Link ID 49206	Msg Number 006	Msg Type 07145	Group Count (?) 4	53100 00000 00001 04076 64759 34543 02047 61503
Link ID 49202	Msg Number 002	Msg Type 07145	Group Count (?) 4	53100 00000 00000 04012 31859 33519 00893 20507
Link ID 49200	Msg Number 000	Msg Type 07145	Group Count (?) 4	53100 00000 00000 03852 31859 33519 00893 22555
Link ID 57394	Msg Number 002	Msg Type 07161	Group Count (?) 4	53118 00008 00000 04012 31827 33519 00893 20507
Link ID 49202	Msg Number 002	Msg Type 07145	Group Count (?) 4	53100 00000 00000 04012 31827 33519 00893 20507
Link ID 49202	Msg Number 002	Msg Type 07145	Group Count (?) 4	53100 00000 00000 04012 31827 33519 00893 20507
Link ID 49202	Msg Number 002	Msg Type 07145	Group Count (?) 4	53100 00000 00000 04012 31827 00751 00893 04123
Link ID 49202	Msg Number 002	Msg Type 07145	Group Count (?) 4	53100 00000 00000 04012 31827 33519 00829 20507
Link ID 57523	Msg Number 211	Msg Type 07167	Group Count (?) 12	53119 00012 00128 04094 32313 50175 00830 30861
Link ID 49202	Msg Number 002	Msg Type 07145	Group Count (?) 4	53100 00000 00000 04012 31859 33519 00893 28699
Link ID 49202	Msg Number 002	Msg Type 08185	Group Count (?) 14	53116 00000 00000 04012 31825 33519 00829 20507
Link ID 49202	Msg Number 002	Msg Type 07145	Group Count (?) 4	53100 00000 00000 04012 31763 33519 00893 20505
Link ID 57523	Msg Number 131	Msg Type 07145	Group Count (?) 4	53100 00008 00000 04094 31827 49903 00893 20507
Link ID 53366	Msg Number 006	Msg Type 08171	Group Count (?) 12	53244 00273 00273 04076 64755 34543 02045 61499
Link ID 49206	Msg Number 006	Msg Type 05097	Group Count (?) 4	53100 00000 00017 04076 64755 34543 01917 61467
Link ID 53298	Msg Number 002	Msg Type 07147	Group Count (?) 4	53244 00017 00000 04076 31827 33535 00893 20635
Link ID 49202	Msg Number 002	Msg Type 03049	Group Count (?) 4	53100 00000 00000 04012 31827 33519 00893 20507
Link ID 49202	Msg Number 002	Msg Type 07145	Group Count (?) 4	53116 00000 00000 04012 31827 33519 00893 20507
Link ID 49202	Msg Number 002	Msg Type 07145	Group Count (?) 4	53100 00000 00000 04012 31827 33519 00893 20507
Link ID 16502	Msg Number 070	Msg Type 06496	Group Count (?) 0	53036 00000 00017 04012 64595 34543 00893 61467
Link ID 49202	Msg Number 002	Msg Type 07017	Group Count (?) 0	53100 00000 00000 04012 31827 33519 00893 20507
Link ID 49202	Msg Number 002	Msg Type 07145	Group Count (?) 4	53100 00000 00000 04012 31827 33519 00893 20507

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Link ID 61754	Msg Number 140	Msg Type 07147	Group Count (?) 245	32771 32125 30795 38013 21750 33612 52360 42255
Link ID 21384	Msg Number 111	Msg Type 29197	Group Count (?) 19	08936 50264 42987 06686 33717 56308 09273 33711
Link ID 44603	Msg Number 143	Msg Type 08169	Group Count (?) 253	32768 64772 29775 53311 54454 33100 59784 40971

14880 kHz, 18-04, 0230 UTC, FSK 200/1000

Link ID 13948	Msg Number 000	Msg Type 13876	Group Count (?) 0	24576 00000 00000 00059 14291 04078 00048 13296
Link ID 41018	Msg Number 147	Msg Type 07145	Group Count (?) 245	32768 25363 52597 09827 24470 33847 21529 62596
Link ID 41010	Msg Number 147	Msg Type 16361	Group Count (?) 255	39424 63251 52597 09763 05302 34167 20505 25732
Link ID 41014	Msg Number 147	Msg Type 07147	Group Count (?) 255	33536 26387 52607 09835 63058 49715 30857 61572
Link ID 41086	Msg Number 183	Msg Type 07147	Group Count (?) 245	32768 25395 53247 12023 64766 53247 61499 60813

11123/9247/7945 kHz, 22-04, 2300/2310/2320 UTC, FSK 200/1000

Link ID 40982	Msg Number 052 : Msg Type 07161 : Group Count (?) 12	13310 00000 00008 02087 12132 20339 04093 15500
Link ID 40988	Msg Number 056 : Msg Type 07145 : Group Count (?) 4	13228 00000 00000 02118 19720 36151 01021 11468
Link ID 08204	Msg Number 025 : Msg Type 03008 : Group Count (?) 0	12812 00000 00000 00015 28480 52595 01916 14348
Link ID 40988	Msg Number 009 : Msg Type 07145 : Group Count (?) 4	13228 00000 00000 00078 20332 36727 01023 11470
Link ID 40988	Msg Number 057 : Msg Type 07145 : Group Count (?) 4	13228 00000 00000 02126 19784 36211 00893 10252
Link ID 20777	Msg Number 098 : Msg Type 00707 : Group Count (?) 0	08796 00017 00257 00158 57280 36855 02041 30728
Link ID 00004	Msg Number 016 : Msg Type 07152 : Group Count (?) 4	13305 00000 00000 00006 03328 03443 00892 02060
Link ID 40988	Msg Number 057 : Msg Type 07145 : Group Count (?) 4	13228 00000 00000 02126 19820 36727 03071 11406

Link ID 61468	Msg Number 185 : Msg Type 08176 : Group Count (?) 12	13294 00008 32896 03150 28452 36659 02238 15502
Link ID 40988	Msg Number 057 : Msg Type 39913 : Group Count (?) 140	48044 00000 00000 02126 19784 36215 00893 10252
Link ID 45373	Msg Number 122 : Msg Type 07145 : Group Count (?) 4	13228 00000 00257 02268 39680 02791 02025 20488
Link ID 40988	Msg Number 057 : Msg Type 07145 : Group Count (?) 4	13228 00000 00000 02126 19784 36215 00893 10252
Link ID 40988	Msg Number 057 : Msg Type 07145 : Group Count (?) 4	13228 00000 00000 02126 19788 36727 01023 10382
Link ID 45357	Msg Number 115 : Msg Type 07163 : Group Count (?) 4	13292 00016 00257 00222 57160 36727 01919 30732
Link ID 40988	Msg Number 056 : Msg Type 08187 : Group Count (?) 12	13308 00016 00000 02126 19784 36215 00893 10252
Link ID 40988	Msg Number 057 : Msg Type 39913 : Group Count (?) 132	13228 00000 00000 02126 20296 36727 01021 10252
Link ID 40988	Msg Number 057 : Msg Type 07017 : Group Count (?) 4	13228 00000 00000 02126 19712 36147 00284 10244
Link ID 40984	Msg Number 048 : Msg Type 06944 : Group Count (?) 0	12556 00000 00000 02060 18760 02167 00893 02060
Link ID 40988	Msg Number 057 : Msg Type 06945 : Group Count (?) 4	13196 00000 00000 02126 20296 36727 03071 14542
Link ID 40988	Msg Number 057 : Msg Type 07145 : Group Count (?) 4	13228 00000 00000 02126 19784 36215 00893 10252
Link ID 40988	Msg Number 057 : Msg Type 07145 : Group Count (?) 4	12716 00000 00008 02126 19784 36215 00893 10252
Link ID 00012	Msg Number 025 : Msg Type 00352 : Group Count (?) 0	04428 00000 00000 00078 19784 36215 00893 10252
Link ID 40988	Msg Number 057 : Msg Type 07008 : Group Count (?) 4	12556 00000 00000 02126 19776 36727 00893 14348
Link ID 40964	Msg Number 016 : Msg Type 07137 : Group Count (?) 4	13228 00000 00000 00014 03400 03447 00893 10252
Link ID 00028	Msg Number 057 : Msg Type 00352 : Group Count (?) 0	04358 00000 00000 02126 19784 36215 00893 10252
Link ID 40988	Msg Number 057 : Msg Type 07145 : Group Count (?) 4	13228 00000 00000 02127 57160 36215 00893 14348
Link ID 32774	Msg Number 020 : Msg Type 05097 : Group Count (?) 0	13228 00000 00136 00039 09764 20019 02494 07310
Link ID 40988	Msg Number 057 : Msg Type 07145 : Group Count (?) 4	13228 00000 00000 00078 19712 35895 00317 02056

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Link ID 13366	Msg Number 000 : Msg Type 13366 : Group Count (?) 0	16384 00000 00000 01852 15371 03980 02048 14383
Link ID 13366	Msg Number 001 : Msg Type 13360 : Group Count (?) 0	16384 00000 00000 01852 15371 03468 00000 14382
Link ID 26734	Msg Number 000 : Msg Type 13452 : Group Count (?) 0	16384 00000 00000 03688 28683 03468 00000 15406
Link ID 14006	Msg Number 128 : Msg Type 13366 : Group Count (?) 0	16384 00000 00000 00828 00015 01742 02048 03135
Link ID 00000	Msg Number 000 : Msg Type 11393 : Group Count (?) 64	00000 00256 00000 00038 02760 00000 00017 40879
Link ID 02077	Msg Number 206 : Msg Type 08169 : Group Count (?) 245	32768 43139 64143 46306 08795 49414 00768 27360
Link ID 34296	Msg Number 203 : Msg Type 00032 : Group Count (?) 24	02048 00832 33411 18471 40996 34128 02304 02281

12208 kHz, 23-04, 2200 UTC, FSK 200/1000

Link ID 57361	Msg Number 247 : Msg Type 07149 : Group Count (?) 4	40668 00000 00000 03107 16383 00047 00319 02479
Link ID 49168	Msg Number 126 : Msg Type 07147 : Group Count (?) 132	40604 00000 00000 02048 28207 00015 00831 04431
Link ID 49271	Msg Number 238 : Msg Type 07163 : Group Count (?) 12	40604 04113 00000 02252 28271 00335 00893 04959
Link ID 49202	Msg Number 110 : Msg Type 07145 : Group Count (?) 4	40604 00000 00000 02116 28207 00335 00797 04959
Link ID 53345	Msg Number 204 : Msg Type 16371 : Group Count (?) 12	48824 04369 00000 00128 27727 00655 00745 05822
Link ID 37375	Msg Number 204 : Msg Type 06099 : Group Count (?) 8	03128 04369 00785 02217 52431 01567 03799 32636
Link ID 49200	Msg Number 110 : Msg Type 07145 : Group Count (?) 4	40588 00000 00000 02116 28399 00335 02943 05087
Link ID 57394	Msg Number 110 : Msg Type 07145 : Group Count (?) 4	40606 00000 00000 02112 11823 00015 00317 00287
Link ID 49203	Msg Number 110 : Msg Type 07161 : Group Count (?) 4	40860 00000 00000 02116 28271 00335 01917 13151
Link ID 53302	Msg Number 108 : Msg Type 07113 : Group Count (?) 4	35996 00017 00000 02056 52431 00143 00747 00702
Link ID 49202	Msg Number 110 : Msg Type 07161 : Group Count (?) 4	57116 00000 00000 02112 28271 00335 00893 00863
Link ID 16433	Msg Number 047 : Msg Type 07017 : Group Count (?) 4	40844 00012 00000 01094 16319 00047 02334 02479
Link ID 57394	Msg Number 247 : Msg Type 39913 : Group Count (?) 132	40924 00000 00000 02080 16239 00335 02941 04943
Link ID 53298	Msg Number 238 : Msg Type 07145 : Group Count (?) 4	40604 00016 00256 02112 61167 00335 00895 05071
Link ID 49170	Msg Number 102 : Msg Type 07165 : Group Count (?) 4	40668 00000 00000 02050 11823 00303 00318 05039
Link ID 49202	Msg Number 127 : Msg Type 07137 : Group Count (?) 4	40476 00000 00000 02116 32767 00303 02943 06591
Link ID 53303	Msg Number 238 : Msg Type 07147 : Group Count (?) 4	40636 00273 00256 02060 52463 00975 02047 14335
Link ID 49200	Msg Number 110 : Msg Type 04964 : Group Count (?) 4	40460 00008 00000 02112 28271 00079 00893 00863

10202 kHz, 23-04, 2215 UTC, FSK 200/1000

Link ID 08193	Msg Number 111 : Msg Type 39777 : Group Count (?) 6	40604 00000 02048 02050 32767 00047 02878 06655
Link ID 57395	Msg Number 254 : Msg Type 04093 : Group Count (?) 6	57054 00008 00000 01126 28671 00879 00895 08191
Link ID 20594	Msg Number 110 : Msg Type 05089 : Group Count (?) 4	40604 00000 00000 00068 11887 00079 00829 05087
Link ID 00050	Msg Number 046 : Msg Type 07529 : Group Count (?) 6	40588 00000 00000 08196 28287 00335 00829 05119
Link ID 49203	Msg Number 110 : Msg Type 07145 : Group Count (?) 4	24220 00000 00000 02113 28271 00079 00893 04959

16320 kHz, 23-04, 0150 UTC, FSK 200/1000

Link ID 30398	Msg Number 240 : Msg Type 13366 : Group Count (?) 0	17259 00000 35072 01919 48781 36158 02048 16323
Link ID 61566	Msg Number 246 : Msg Type 07147 : Group Count (?) 247	32785 61335 49663 61307 62646 33210 44042 02254
Link ID 61556	Msg Number 084 : Msg Type 07147 : Group Count (?) 245	32785 60823 33261 52850 47229 04965 18709 00397
Link ID 41018	Msg Number 162 : Msg Type 07145 : Group Count (?) 245	33280 64771 49398 28473 21686 33210 60426 02254
Link ID 41018	Msg Number 162 : Msg Type 02537 : Group Count (?) 245	32768 60803 49407 28475 64767 37887 60703 02511

14880 kHz, 23-04, 0230 UTC, FSK 200/1000

Link ID 39179	Msg Number 058 : Msg Type 12872 : Group Count (?) 46	29512 24784 62000 28832 13060 12819 02091 01082
Link ID 06403	Msg Number 010 : Msg Type 14024 : Group Count (?) 46	30713 25840 62000 28800 05017 15284 28137 05488

16320 kHz, 24-04, 0150 UTC, FSK 200/1000

Link ID 13366	Msg Number 000 : Msg Type 13366 : Group Count (?) 0	17248 00001 16384 00343 48137 03851 00000 48883
Link ID 41018	Msg Number 167 : Msg Type 07113 : Group Count (?) 245	32768 60803 49398 03844 24054 33738 61258 18251
Link ID 19461	Msg Number 029 : Msg Type 14316 : Group Count (?) 15	30716 09976 31120 45264 06638 40393 46813 02589
Link ID 41018	Msg Number 167 : Msg Type 07145 : Group Count (?) 245	32768 60803 49398 28422 21686 33610 44042 18251

16320 kHz, 28-04, 0150 UTC, FSK 200/1000

Link ID 13366	Msg Number 000 : Msg Type 13366 : Group Count (?) 0	17248 00000 00000 00471 48911 40719 37646 65527
Link ID 41018	Msg Number 177 : Msg Type 07145 : Group Count (?) 255	32769 23378 29729 37397 21686 35176 48581 48642
Link ID 41018	Msg Number 177 : Msg Type 15337 : Group Count (?) 245	32769 23378 25633 37397 21686 35177 48583 47618
Link ID 39487	Msg Number 209 : Msg Type 07145 : Group Count (?) 245	32769 23378 32437 62357 54454 35177 48583 48642

11123 kHz, 29-04, 2300 UTC, FSK 200/1000

Link ID 12306	Msg Number 033 : Msg Type 13366 : Group Count (?) 54	17251 24576 12816 00001 07177 00024 05056 62012
Link ID 29750	Msg Number 099 : Msg Type 15486 : Group Count (?) 62	18407 59335 13876 27920 05131 00313 06081 32844
Link ID 13334	Msg Number 099 : Msg Type 13366 : Group Count (?) 54	17251 25411 13876 25876 15375 16701 14283 32878
Link ID 32796	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	50540 00000 00000 03278 00624 34775 00893 36186
Link ID 40988	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	50285 00000 00000 03278 00048 00991 00091 01492
Link ID 45340	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	50541 00000 00000 03278 00624 34775 00893 36186
Link ID 40988	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	34157 00000 00000 03278 00624 34775 00893 36186
Link ID 57404	Msg Number 006 : Msg Type 07145 : Group Count (?) 4	50559 00000 00273 03292 05360 03759 06123 02724
Link ID 40988	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	50541 00000 00000 03278 00624 34775 00893 36186
Link ID 40988	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	50541 00000 00000 03278 00624 02007 00893 36186
Link ID 63004	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	50543 00000 00000 11470 00624 34783 00895 36314
Link ID 00012	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	50541 00000 00000 01230 00624 34775 00893 36186
Link ID 40988	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	50541 00000 00000 03278 00624 34775 00893 36186
Link ID 40988	Msg Number 002 : Msg Type 07017 : Group Count (?) 4	50477 00000 00000 03278 00624 34775 00893 36186
Link ID 40988	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	50541 00000 00000 03278 00624 34775 00893 36186
Link ID 40988	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	50541 00000 00000 03278 00624 34775 00893 36186
Link ID 40988	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	51053 00000 00000 03278 00624 34775 00893 36186
Link ID 40988	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	50541 00000 00000 03278 00048 33731 00316 03080
Link ID 00048	Msg Number 000 : Msg Type 00113 : Group Count (?) 48	00009 00000 49152 03174 01699 00008 00000 49457
Link ID 40988	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	50541 00000 00000 03278 00624 34775 00893 36186
Link ID 40964	Msg Number 000 : Msg Type 07145 : Group Count (?) 4	50541 00000 00000 03142 00624 02007 00893 36186
Link ID 00004	Msg Number 000 : Msg Type 04448 : Group Count (?) 0	49196 00000 00000 01094 00048 00963 00316 03084
Link ID 40988	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	50541 00000 00000 03278 00624 34775 00893 36170
Link ID 00006	Msg Number 000 : Msg Type 05088 : Group Count (?) 0	50284 00000 00000 01127 00440 17379 02494 20141
Link ID 40988	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	50541 00000 00000 03278 00624 34775 00895 36350
Link ID 00004	Msg Number 000 : Msg Type 07008 : Group Count (?) 4	50476 00000 00000 01094 00048 00967 00317 03098
Link ID 40988	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	50541 00000 00000 03278 00752 34775 00873 36688
Link ID 40988	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	50541 00000 00000 03278 00624 51159 00893 36186
Link ID 40964	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	50541 00000 00000 01102 00624 34775 00893 36186
Link ID 45084	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	50541 00000 02064 03790 00624 34775 00893 36186
Link ID 00030	Msg Number 130 : Msg Type 07008 : Group Count (?) 0	49196 00000 00000 01262 00624 34775 00893 36186
Link ID 45084	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	50541 00000 16384 03278 00624 34775 00893 36186
Link ID 40988	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	50541 00000 00000 03278 00624 34775 00893 36186
Link ID 40972	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	50541 00000 00000 03278 00752 34815 01023 36350
Link ID 40988	Msg Number 000 : Msg Type 07145 : Group Count (?) 4	50541 00000 00000 03278 00624 34775 00893 36186
Link ID 40988	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	50541 00000 00000 03278 00624 34775 00893 36186

Link ID 00028	Msg Number 002 : Msg Type 07136 : Group Count (?) 4	50540 00000 00000 03278 00624 34775 00893 36187
Link ID 20486	Msg Number 129 : Msg Type 40957 : Group Count (?) 14	61311 00008 00000 01639 00016 00481 02078 03716
Link ID 40988	Msg Number 002 : Msg Type 07161 : Group Count (?) 4	50541 00008 00000 03270 00184 00995 00446 03757
Link ID 40988	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	50541 00000 00000 03278 00624 34775 00893 36186
Link ID 40988	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	50541 00000 00000 03278 01016 51199 35839 53247
Link ID 40988	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	50541 00000 00000 03278 00624 34775 00893 36186
Link ID 40988	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	50541 00000 00000 03278 00624 34775 00893 36186
Link ID 40988	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	50541 00000 00000 03278 00112 34759 00877 03336
Link ID 40988	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	50541 00000 00000 03278 00624 34775 00893 36186
Link ID 40988	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	50541 00000 00000 03278 00631 34783 00895 36350
Link ID 40988	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	50541 00000 00000 03278 01016 34807 04095 53247
Link ID 40988	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	50541 00000 00000 03278 00624 34775 00893 36186
Link ID 40988	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	50541 00000 00000 03278 00752 34815 01021 36858

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Link ID 40964	Msg Number 000 : Msg Type 07145 : Group Count (?) 4	50541 00000 00000 03142 00048 00195 00060 00008
Link ID 32768	Msg Number 000 : Msg Type 07145 : Group Count (?) 4	50541 00000 00000 03078 00048 00897 00316 03080
Link ID 00008	Msg Number 000 : Msg Type 06592 : Group Count (?) 0	50240 00000 00000 02188 00016 01538 00808 02048
Link ID 40988	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	50541 00000 00000 03278 00048 00195 00060 00008
Link ID 00028	Msg Number 002 : Msg Type 00352 : Group Count (?) 0	16428 00000 00000 01230 00624 34775 00893 36184
Link ID 08204	Msg Number 000 : Msg Type 01001 : Group Count (?) 4	50541 00000 00000 00066 00048 00963 00317 03402
Link ID 40968	Msg Number 000 : Msg Type 07145 : Group Count (?) 4	50541 00000 00000 02188 00112 01671 00873 02048
Link ID 00000	Msg Number 000 : Msg Type 07145 : Group Count (?) 4	50540 00000 00000 00140 04336 03759 00875 02724
Link ID 40972	Msg Number 000 : Msg Type 07145 : Group Count (?) 4	50541 00000 00000 03278 00624 34775 00893 36186
Link ID 00020	Msg Number 000 : Msg Type 07137 : Group Count (?) 4	50540 00000 00000 03142 00624 01987 00318 35853
Link ID 41512	Msg Number 004 : Msg Type 39913 : Group Count (?) 4	50541 00000 00273 44188 05360 03759 06123 02724
Link ID 40972	Msg Number 002 : Msg Type 07137 : Group Count (?) 4	50541 00000 00000 02254 00624 02007 00893 36186
Link ID 40988	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	51053 00000 00000 03278 00624 34775 00893 36186
Link ID 40988	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	50541 00000 00000 03278 00624 34773 00816 36168
Link ID 00008	Msg Number 002 : Msg Type 04544 : Group Count (?) 0	49252 00000 00000 01158 00112 34771 00892 36184
Link ID 08198	Msg Number 001 : Msg Type 07136 : Group Count (?) 4	50542 00000 00000 01634 00048 00963 00316 03080
Link ID 40988	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	50541 04096 00000 03278 00624 34775 00893 36186
Link ID 40964	Msg Number 000 : Msg Type 07145 : Group Count (?) 4	50541 00000 00000 00070 00048 00963 00316 03080
Link ID 00012	Msg Number 000 : Msg Type 07136 : Group Count (?) 4	50536 00000 00000 01230 00624 34775 00893 36186
Link ID 08220	Msg Number 002 : Msg Type 04521 : Group Count (?) 4	17709 00000 00000 03278 00624 34775 00893 36186
Link ID 40980	Msg Number 000 : Msg Type 07145 : Group Count (?) 4	50541 24576 00000 03270 00048 00967 00317 03162
Link ID 40988	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	50541 00000 00000 03278 00048 34755 00316 03080
Link ID 08220	Msg Number 002 : Msg Type 07137 : Group Count (?) 4	50542 00000 08192 03278 00624 02007 00893 36186
Link ID 41118	Msg Number 131 : Msg Type 07145 : Group Count (?) 4	50541 00000 01024 03175 00504 17399 03071 53247
Link ID 32796	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	50541 00000 00000 03278 00624 34775 00895 36186
Link ID 40968	Msg Number 000 : Msg Type 07145 : Group Count (?) 4	50284 00000 00000 02254 00112 02003 00892 36186

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Link ID 40988	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	50541 00000 00000 03278 01023 51191 01023 36703
Link ID 57724	Msg Number 119 : Msg Type 08171 : Group Count (?) 4	50687 00273 01305 03838 05872 36863 02047 36862
Link ID 40988	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	50541 00000 00000 03278 00624 34775 00893 36187
Link ID 61470	Msg Number 131 : Msg Type 40941 : Group Count (?) 14	61311 32808 00000 03822 00624 34773 00860 36698
Link ID 57372	Msg Number 010 : Msg Type 07165 : Group Count (?) 4	50687 00152 00000 03278 00624 02007 00893 36186
Link ID 40988	Msg Number 002 : Msg Type 07165 : Group Count (?) 5	50559 00006 00000 00646 00636 34805 00991 36343
Link ID 00004	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	50541 00000 00000 01102 00752 34803 00994 36844
Link ID 00012	Msg Number 002 : Msg Type 00192 : Group Count (?) 0	16492 00000 00000 00206 00624 34775 00893 36186
Link ID 00008	Msg Number 004 : Msg Type 07145 : Group Count (?) 4	50541 00000 00017 02204 05360 03759 06123 02724
Link ID 40988	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	50541 00000 00000 03278 00624 34775 00893 36186
Link ID 00024	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	50540 00000 00000 03142 00560 34759 00380 36184
Link ID 00030	Msg Number 001 : Msg Type 07145 : Group Count (?) 4	50540 00000 00000 03303 00880 51191 02943 36830
Link ID 40988	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	50541 00000 00000 03278 00624 34775 00893 36186
Link ID 40988	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	50541 00000 00004 03279 08816 18371 00854 19741
Link ID 40988	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	50541 00000 00000 03278 00048 34759 00317 03146
Link ID 40988	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	50541 00000 00000 03278 00624 02007 00893 03418
Link ID 40982	Msg Number 128 : Msg Type 07145 : Group Count (?) 4	50541 00000 00000 03654 00048 00995 00318 03213

Link ID 20486	Msg Number 129 : Msg Type 06496 : Group Count (?) 0	49214 00008 00000 01639 00510 17395 02303 20223
Link ID 40988	Msg Number 000 : Msg Type 07145 : Group Count (?) 4	50541 00000 00000 03274 00056 33763 02494 03752
Link ID 61468	Msg Number 002 : Msg Type 07165 : Group Count (?) 4	52735 21708 00000 03278 00624 34775 00893 36186
Link ID 40988	Msg Number 002 : Msg Type 07145 : Group Count (?) 100	50541 00000 00000 03278 00624 34807 01021 36186
Link ID 40988	Msg Number 002 : Msg Type 07017 : Group Count (?) 0	50221 00000 00000 03278 03832 34775 01023 49150
Link ID 61470	Msg Number 130 : Msg Type 08169 : Group Count (?) 4	61295 00256 00270 03823 33784 51187 23551 53247
Link ID 40988	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	16749 00000 00000 03278 00760 34807 02941 36826
Link ID 00028	Msg Number 002 : Msg Type 07017 : Group Count (?) 0	50477 00000 00000 03790 00624 34775 00893 36186
Link ID 16416	Msg Number 000 : Msg Type 08191 : Group Count (?) 12	53246 00465 00256 02060 00112 01666 00873 02048
Link ID 40988	Msg Number 002 : Msg Type 08169 : Group Count (?) 4	52607 00000 00000 03278 00624 34775 00893 36191

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Link ID 41018	Msg Number 182 : Msg Type 07145 : Group Count (?) 245	32769 04162 52364 26685 21686 36001 29155 10142
Link ID 08250	Msg Number 182 : Msg Type 07145 : Group Count (?) 245	32769 04162 52364 26685 21686 36001 29155 10143
Link ID 41018	Msg Number 182 : Msg Type 07145 : Group Count (?) 245	32769 04162 52364 26685 21558 00129 29155 00924
Link ID 41018	Msg Number 182 : Msg Type 07145 : Group Count (?) 245	32769 04162 52364 26685 21686 36001 29155 10142

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Link ID 49154	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	09941 00000 00000 06648 37839 53183 01021 12190
Link ID 49202	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	09941 00000 00000 03064 04999 36799 00861 44956
Link ID 16434	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	09941 00000 00000 03064 37831 36798 00893 44828
Link ID 16409	Msg Number 128 : Msg Type 06432 : Group Count (?) 0	08768 00000 00000 00372 19939 53021 06646 24462
Link ID 49202	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	09941 00000 00000 03064 37831 36798 00893 44828
Link ID 49202	Msg Number 002 : Msg Type 39929 : Group Count (?) 23	26613 06144 00000 03064 37827 36750 00820 44814
Link ID 49202	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	09941 00000 00000 03064 37831 36798 00893 44828
Link ID 49202	Msg Number 002 : Msg Type 06633 : Group Count (?) 4	02013 00224 32768 03064 37831 36798 00893 44828
Link ID 49202	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	09941 00000 00000 03064 37831 36798 00893 44828
Link ID 49202	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	09941 00000 00000 03064 37839 36799 00895 44958
Link ID 49200	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	09941 00000 00000 03064 37831 36799 00893 44830
Link ID 49202	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	09941 00000 00000 03064 37831 36798 00893 44828
Link ID 49202	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	12117 36864 00000 03064 37831 36798 00893 44828
Link ID 49440	Msg Number 000 : Msg Type 07145 : Group Count (?) 4	09817 00001 01280 00448 05063 04094 00895 12061
Link ID 49202	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	09941 00000 00000 03064 04587 36639 00436 01804
Link ID 49202	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	09941 00000 00000 03056 33415 36414 00767 64796
Link ID 49305	Msg Number 129 : Msg Type 07145 : Group Count (?) 4	09941 00000 00000 03956 16875 53087 02486 08078
Link ID 49202	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	09941 00008 32768 03064 37831 36798 00893 44828
Link ID 49207	Msg Number 066 : Msg Type 07145 : Group Count (?) 4	09941 00000 00229 04092 62439 44990 13174 44824
Link ID 49168	Msg Number 000 : Msg Type 08169 : Group Count (?) 12	09941 00512 00000 02416 00967 36798 00893 36636
Link ID 49202	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	09941 00000 00000 03064 37831 36542 00893 44828
Link ID 00000	Msg Number 000 : Msg Type 33344 : Group Count (?) 18	00000 04096 00000 00000 00000 00000 00000 00000
Link ID 49206	Msg Number 210 : Msg Type 07145 : Group Count (?) 4	09941 00000 16400 03064 37831 36798 00893 44828
Link ID 49211	Msg Number 010 : Msg Type 07145 : Group Count (?) 4	09941 00000 00001 03064 54215 36796 33590 44816
Link ID 49202	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	09941 00000 32768 02808 37831 36862 37885 44828
Link ID 49202	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	09941 00000 00000 03064 37831 36798 00893 44828
Link ID 49202	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	09941 00000 32768 03056 37831 36798 00893 44812
Link ID 49202	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	09941 00000 00032 03064 37831 36798 00893 44828
Link ID 49202	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	09941 00000 00000 03068 54255 53247 03071 65438
Link ID 49202	Msg Number 002 : Msg Type 07144 : Group Count (?) 4	09937 00000 00000 03065 38871 57279 23421 65308
Link ID 57394	Msg Number 130 : Msg Type 07145 : Group Count (?) 4	32479 02061 00016 03064 37831 36798 04989 61212
Link ID 49202	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	09941 00000 00000 01016 37831 36798 00893 44828
Link ID 49202	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	09941 00000 00000 03064 37831 36798 00893 44828
Link ID 49202	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	09941 00000 00000 03064 37831 36798 00893 44828
Link ID 49202	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	09941 04096 00000 03064 37831 36798 00893 44830
Link ID 49334	Msg Number 014 : Msg Type 07145 : Group Count (?) 4	09941 00000 00002 03065 46023 36798 33661 61212
Link ID 49202	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	09941 00000 00000 03064 37827 36638 00308 44812
Link ID 49202	Msg Number 002 : Msg Type 08185 : Group Count (?) 142	14037 00272 00000 03064 37831 36798 00893 44828
Link ID 49202	Msg Number 002 : Msg Type 07144 : Group Count (?) 4	09941 00000 00000 03064 37839 36798 01021 44828
Link ID 49202	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	09941 00000 00000 03064 37831 36798 00893 44828
Link ID 16432	Msg Number 000 : Msg Type 07149 : Group Count (?) 4	09800 00000 00000 00752 00203 35998 00352 36684
Link ID 49202	Msg Number 002 : Msg Type 07145 : Group Count (?) 4	09941 00000 00000 03064 37831 36798 00893 44828

Link ID 49202 Msg Number 002 : Msg Type 08185 : Group Count (?) 5 14327 05072 00000 03064 37831 36798 00893 44828
 Link ID 51250 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 09941 00000 00512 03056 05063 36798 00893 12060
 Link ID 49202 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 09941 00000 00000 03064 37831 36798 00893 44828

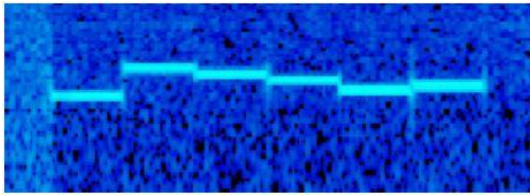
10202 kHz, 30-04, 2215 UTC, FSK 200/1000

Link ID 49210 Msg Number 130 : Msg Type 07145 : Group Count (?) 4 09941 00000 00080 04088 46571 53023 56319 32654
 Link ID 57394 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 09941 00016 00000 03064 37831 36766 00893 44828
 Link ID 49369 Msg Number 145 : Msg Type 07145 : Group Count (?) 4 09941 00000 01392 01340 63939 53023 02868 61248
 Link ID 49168 Msg Number 002 : Msg Type 07145 : Group Count (?) 4 09941 00000 00000 03064 37831 36798 00893 44828
 Link ID 49171 Msg Number 000 : Msg Type 07145 : Group Count (?) 4 09943 00000 00000 04088 37871 36863 09213 65502
 Link ID 49154 Msg Number 003 : Msg Type 07145 : Group Count (?) 4 09973 00000 00128 03068 54223 53182 03069 65308
 Link ID 49343 Msg Number 151 : Msg Type 07145 : Group Count (?) 20 09941 00000 16487 03070 62447 65535 19391 61214
 Link ID 16432 Msg Number 000 : Msg Type 04704 : Group Count (?) 4 09936 00000 00000 00248 46023 36798 00884 44828
 Link ID 49307 Msg Number 131 : Msg Type 07145 : Group Count (?) 4 09941 00000 00056 04092 37351 40958 01021 44956
 Link ID 57497 Msg Number 129 : Msg Type 33120 : Group Count (?) 0 02624 00000 00000 02356 32999 52047 02267 03974
 Link ID 58009 Msg Number 129 : Msg Type 01021 : Group Count (?) 22 01759 33288 08193 04092 31731 61439 27127 49036
 Link ID 49202 Msg Number 000 : Msg Type 00480 : Group Count (?) 0 01745 00001 00000 01019 63207 53183 02431 24332

frequency	date	UTC	remarks	mode
5127	3-4	1920	Russian diplo/intel. 6 17	FSK 200/500
6989	3-4	1910	Russian diplo/intel. 6 17	FSK 200/500
7945	22-4	2320	Russian diplo/intel. Messages on links 40982, 40988, 08204, 20777, 00004, 61468, 45373, 45357, 40984, 00012, 40964, 00028, 32774	FSK 200/1000
7945	29-4	2320	Russian diplo/intel. Messages on links 40988, 57724, 61470, 57372, 00004, 00012, 00008, 00024, 00030, 40982, 20486, 61468, 00028, 16416	FSK 200/1000
9073	17-4	0715	Tentative Russian/CIS gov.	FSK hybrid
9186	3-4	1900	Russian diplo/intel. 6 17	FSK 200/500
9186	10-4	1900	Russian Gov/Intel. 0000++++++22162)5761 00000++++++162)5761	Baudot 200/500
9247	15-4	2310	Russian diplo/intel. i.p. Messages on links 40988, 45084, 57372, 00028, 61469, 28700, 61468, 61501	FSK 200/1000
9247	22-4	2310	Russian diplo/intel. Messages on links 40982, 40988, 08204, 20777, 00004, 61468, 45373, 45357, 40984, 00012, 40964, 00028, 32774	FSK 200/1000
9247	29-4	2310	Russian diplo/intel. Messages on links 40964, 32768, 00008, 40988, 00028, 08204, 40968, 00000, 40972, 00020, 41512, 08198, 00012, 08220, 40980, 41118, 32796	FSK 200/1000
10202	2-4	2215	Russian diplo/intel. Message on links 49202, 49264, 00050, 49168, 32800, 49238, 49154, 24817, 36964, 57394, 12433, 49200, 24731, 16418, 24594	FSK 200/1000
10202	9-4	2215	Russian diplo/intel. Message on links 49202, 49211, 16434, 49458, 49526, 00059, 49200, 49177, 00050, 16400, 49270	FSK 200/1000
10202	17-4	2215	Russian diplo/intel. Msgs on links 49202, 53298, 53366, 57523, 36964, 16435, 49398, 00050, 49184, 49206, 49200, 57394	FSK 200/1000
10202	23-4	2215	Russian diplo/intel. Messages on links 08193, 57395, 20594, 00050, 49203	FSK 200/1000
10202	30-4	2215	Russian diplo/intel. Messages on links 49210, 57394, 49369, 49168, 49171, 49154, 49343, 16432, 49307, 57497, 58009, 49202	FSK 200/1000
10249.9	25-4	1956	Russian diplo	CROWD-36
10250	11-4	1045	Russian diplo/intel.	FSK 200/1000
10250	15-4	1733	Russian Gov/intel.	MFSK-11
10250	15-4	1749	Russian Gov/intel.	MFSK-11
10251	25-4	1956	Russian diplo	CROWD-36
11123	22-4	2300	Russian diplo/intel. Messages on links 40982, 40988, 08204, 20777, 00004, 61468, 45373, 45357, 40984, 00012, 40964, 00028, 32774	FSK 200/1000
11123	29-4	2300	Russian diplo/intel. Messages on links 12306, 29750, 13334, 32796, 40988, 45340, 57404, 63004, 00048, 40964, 00004, 00006, 45084, 00030, 40972, 00028, 20486	FSK 200/1000
11167	15-4	0239	Russian DOSC. QSY 13824 K. RGP RGP RGP DE RDK RDK	CW
12208	23-4	2200	Russian diplo/intel. Messages on links 57361, 49168, 49271, 49202, 53345, 37375, 49200, 57394, 49203, 53302, 16433, 53298, 49170, 53303, 49200	FSK 200/1000
12208	30-4	2200	Russian diplo/intel. Messages on links 49154, 49202, 16434, 16409, 49200,	FSK 200/1000

frequency	date	UTC	remarks	mode
			49440,49207, 49168, 00000, 49211, 57394, 49334, 16432, 51250	
14380	12-4	1032	Russian diplo i.p. 47596 85771 18878 ... 12002 39880 38961 =	CW
14380	12-4	1038	Russian diplo. Header: 11100 60102 00000 12087 01003 = 5LGs = CFM QRV QRQ2 K. CW K. QSL 2K. NIL SK	
14551	19-4	1220	Russian diplo/intel. Msg 7 58	FSK 200/500
14875	30-4	0634	Russian diplo	CROWD-36
14880	2-4	0230	Russian diplo/intel. Message on link 57616	FSK 200/1000
14880	3-4	0230	Russian diplo/intel. Message on link 15395	FSK 200/1000
14880	9-4	0230	Russian diplo/intel. Message on links 41018, 64432, 00032, 41023, 41022, 41016	FSK 200/1000
14880	11-4	0230	Russian diplo/intel. Message on links 12342, 45520, 40976, 00713	FSK 200/1000
14880	14-4	0230	Russian diplo/intel. Message on link 00032	FSK 200/1000
14880	15-4	0230	Russian diplo/intel.	FSK 200/1000
14880	16-4	0230	Russian diplo/intel. Msgs on links 12294, 41011, 12563, 29731, 00016	FSK 200/1000
14880	17-4	0230	Russian diplo/intel. Msgs on links 61754, 21384, 44603	FSK 200/1000
14880	18-4	0230	Russian diplo/intel.	FSK 200/1000
14880	21-4	0230	Russian diplo/intel	FSK 200/1000
14880	22-4	0230	Russian diplo/intel.	FSK 200/1000
14880	23-4	0230	Russian diplo/intel. Messages on links 39179, 06403	FSK 200/1000
14880	24-4	0230	Russian diplo/intel. Messages on links 13366, 41018,19461	FSK 200/1000
14880	28-4	0230	Russian diplo/intel.	FSK 200/1000
14880	30-4	0230	Russian diplo/intel.	FSK 200/1000
14881.5	21-4	0815	Russian diplo	CROWD-36
16110	11-4	0813	Russian diplo. Encrypted Messages	Serdolik 32 Tone
16159	19-4	1210	Russian diplo/intel. Msg 7 58	FSK 200/500
16320	2-4	0150	Russian diplo/intel. Message on links 43067, 32822, 61608	FSK 200/1000
16320	3-4	0150	Russian diplo/intel. Message on link 41002	FSK 200/1000
16320	9-4	0150	Russian diplo/intel. Message on links 02079, 41023, 49466, 16750, 49305	FSK 200/1000
16320	11-4	0150	Russian diplo/intel. Message on links 13372, 13374, 41022, 41016, 08251, 61466, 08250, 41010, 41018	FSK 200/1000
16320	14-4	0150	Russian diplo/intel.	FSK 200/1000
16320	15-4	0150	Russian diplo/intel.	FSK 200/1000
16320	16-4	0150	Russian diplo/intel. Msgs on links 28734, 63251	FSK 200/1000
16320	17-4	0150	Russian diplo/intel.	FSK 200/1000
16320	18-4	0150	Russian diplo/intel. Msgs on links 13948, 41018, 41010, 41014, 41086	FSK 200/1000
16320	21-4	0150	Russian diplo/intel	FSK 200/1000
16320	22-4	0150	Russian diplo/intel. Messages on links 13366, 26734, 14006, 00000, 02077, 34296	FSK 200/1000
16320	23-4	0150	Russian diplo/intel. Messages on links 30398, 61556, 41018	FSK 200/1000
16320	24-4	0150	Russian diplo/intel.	FSK 200/1000
16320	28-4	0150	Russian diplo/intel. Messages on links 13366, 41018, 39487	FSK 200/1000
16320	30-4	0150	Russian diplo/intel. Messages on links 08250, 41018	FSK 200/1000
18206	19-4	1200	Russian diplo/intel. Msg 7 58	FSK 200/500
18575	17-4	1254	Russian diplo. Idle signal for 30 secs	CROWD-36
18726	11-4	2151	Russian diplo/intel. "464646..." call-up for "MRU" ends "QSP QSO QRU"	Baudot 75/200
19261	1-4	0925	Russian diplo	CROWD-36
19380	17-4	1225	Russian diplo	CROWD-36
19382	3-4	1237	Russian diplo	CROWD-36
19513	3-4	0703	Russian diplo	CROWD-36
20336	1-4	0940	Russian diplo	CROWD-36
20690	28-4	0812	Russian diplo	CROWD-36
20950	11-4	0754	Russian diplo. Idling Mode	Serdolik 32 Tone

X06



MFSK11



enigma	frequency	date	UTC	remarks
X06	10372	28-4	0851	Mazielka. Sequence: 431625
X06	10684	2-4	0634	Mazielka. Sequence: 256341
X06	10684	2-4	0634	Mazielka. Sequence: 256341
X06	12157	16-4	0750	Mazielka. Sequence: 165423
X06	13510	25-4	0507	Mazielka. Sequence: 216435
X06	14419	24-4	0812	Mazielka. Sequence: 521634
X06	14501	18-4	1007	Mazielka. Sequence: 361245
X06	15710	27-4	1128	Mazielka. Sequence: 261453
X06	16117	28-4	0936	Mazielka. Sequence: 463125
X06	16317	22-4	1013	Mazielka. Sequence: 612534
X06	18177	17-4	1432	Mazielka. Sequence: 164253
X06	18206	15-4	0913	Mazielka. Sequence: 246531
X06	18575	3-4	1200	Mazielka. Sequence: 352416
X06	18575	17-4	1250	Mazielka. Sequence: 352416
X06	18750	7-4	0752	Mazielka. Sequence: 641523
X06	19405	3-4	1242	Mazielka. Sequence: 352416
X06	19405	17-4	1243	Mazielka. Sequence: 352416
X06	19405	17-4	1314	Mazielka. Sequence: 352416
X06	20334	17-4	1445	Mazielka. Sequence: 164253
X06	20336	1-4	0919	Mazielka. Sequence: 246531
X06	20336	1-4	0919	Mazielka. Sequence: 246531
X06	20690	28-4	0813	Mazielka. Sequence: 156234
X06	20813	9-4	0936	Mazielka. Sequence: 216354
X06	20813	11-4	1226	Mazielka. Sequence: 216354
X06	20813	15-4	1042	Mazielka. Sequence: 216354
X06	20813	18-4	1219	Mazielka. Sequence: 216354
X06	20837	18-4	0932	Mazielka. Sequence: 645321
X06	20837	25-4	1116	Mazielka. Sequence: 615243. Changes after 30sec into sequence: 645321
X06a	10869	2-4	2210	Mazielka
X06b	9300	11-4	0949	Mazielka. Sequence: -1-----
X06b	13403	6-4	1549	Mazielka. Sequence:
X06b	14603	6-4	1552	Mazielka. Sequence:
X06b	18300	22-4	0931	Mazielka. Sequence: 1-6
X06b	18300	22-4	1002	Mazielka. Sequence: 1-6
X06b	19300	22-4	0937	Mazielka. Sequence: 1-6
X06b	20300	22-4	0931	Mazielka. Sequence: 1-6
X06c	10405	3-4	0720	Mazielka. Sequence: 162543
X06c	14875	30-4	0632	Mazielka. Sequence: 123456
X06c	16190	3-4	0735	Mazielka. Sequence: 123456

enigma	frequency	date	UTC	remarks
X06c	18300	5-4	1043	Mazielka. Sequence: 123456
X06c	20000	5-4	1048	Mazielka. Sequence: 123456



XP family

10943 kHz, 03-04, 1900 UTC, XPA

922 922 922 000 922 922 922 000 922 922 922 000

07722 00001 00000 10140

21857/19557/18057 kHz, 11-04, 0700/0720/0740 UTC, XPA2

06533 00001 00000 10140

10255 kHz, 11-04, 0957 UTC, XPA2

05146 00024 66517 78823 18280 13828 45212 14603 28235 84133
65741 16575 07238 03376 32770 26731 52571 87701 38743 45734
50250 46847 48168 72320 25363 33345 23141 00000 00000 09138
00029 76164 17886 17537 02225 61026 64516 87131 06156 18842
77102 76471 56706 61716 36116 31554 71408 83555 1322 3007 1111
1002 11333 42617 35824 33753 41544 53616 2222 3300 4440 4700

10943 kHz, 15-04, 1900 UTC, XPA

10943 kHz, 17-04, 1900 UTC, XPA

RYYRYRY

922 922 1 922 922 922 1 922 922 922 1

02642 00193 98453 62577 14723 15596 78775 85664 57400 72900
73138 57192 86960 40695 45625 29985 02689 75212 16357 45025
10293 16835 98687 29332 85345 06119 40039 98142 41206 55702
45648 39760 21071 66430 95566 35767 69593 70846 35439 92495
22394 54991 39701 47079 98064 71046 74520 54299 93894 15463
28940 81826 08005 45022 38905 72734 77116 82178 31868 39986
92950 34086 00145 47643
72986 56904 63726 10834 05890 24411 07558 33917 84781 04957
08054 85533 73678 19953 98849 26067 27912 65309 46311 56958
84904 53804 63972 95933 89750 14653 06345 64711 21545 28026
28108 10979 32060 14112 41161 95550 46418 21416 38005 06395
39326 81672 04442 56019 30112 82973 32597 94596 90047 61279
38081 89901 41359 15258 52849 79702 96045 14778 96170 66806
37713 63429 69077 71388
40919 26355 19443 52838 81485 67792 14550 19488 96810 51491
39855 30766 50154 34526 09982 79457 67737 16656 45827 64166
94766 24837 63306 05138 98373 21404 15620 75090 21757 54875
07919 05841 19838 52953 62112 59754 59176 91403 26605 71660
69979 30380 45275 08548 01492 21044 18818 33789 71339 58608
05704 45207 08004 47197 18494 12573 22945 13034 74326 77144
43539 89926 57282 16122 41464 19148 06353

End of message

21857/19557 kHz, 18-04, 0700/0720 UTC, XPA2

01199 00001 00000 00140

16114/14828 kHz, 18-04, 1920/1940 UTC, XPA

17462/16114/14828 kHz, 19-04, 1900/1920/1940 UTC, XPA

00288 00091 04252 75506 24452 22693 57213 09555 01511 83797
95797 51415 63870 60265 58431 65410 81283 53897 25586 35993
64676 99255 00016 71355 36541 10083 31977 77739 99083 09622
48610 11594 51818 78131 09365 34655 89342 43217 97126 56821
65609 88652 57306 79266 57060 09232 81147 62803 51294 97537
84591 75653 30170 80949 26264 12321 42554 72189 81655 89458
82649 89850 12030 00274 33873 77061 57550 91154 05987 42857
82290 95882 63445 44982 65454 97964 44248 24689 38143 48574
33560 45657 41386 39056 22706 68572 45099 76495 31897 19439
39159 12457 01259 67753

End of message

9243 kHz, 29-04, 1940 UTC, XPA

RYYRYRYR

922 922 922 1 922 922 922 1 922 922 922 1

02937 00153 96114 75596 21040 60976 40322 65530 57131 28757
99176 84233 79206 39478 33268 82750 44980 22793 86312 44492
82012 47111 49899 82016 31563 77347 84477 94493 71098 11602
09631 73094 82836 17527 87776 78981 54548 29020 55733 07535
84165 04768 13359 41148 06491 66958 71653 87270 62012 92387
69960 20700 29587 86099 31732 75103 88829 84422 13274 85319
20890 17336 03173 53081
54568 02796 28039 39708 92542 70952 91085 96567 44241 08644
80072 97285 14505 95773 23729 98706 96866 85835 48563 70204
19050 61844 81746 19201 34777 09292 33700 28056 45999 52581
14551 26319 00392 76903 82537 88914 68336 49742 70897 95899
67703 02096 29963 16375 88379 01407 74702 66029 81085 22077
30666 54124 02388 14165 17876 42498 37821 81310 74306 72227
91819 63581 19561 53924
14485 35058 47796 70138 41930 06393 71263 65549 03735 63447
77348 07475 90229 49677 79677 24626 83281 98332 31303 73020
92166 74267 38702 21571 12689 90266 26247

End of message



DP01

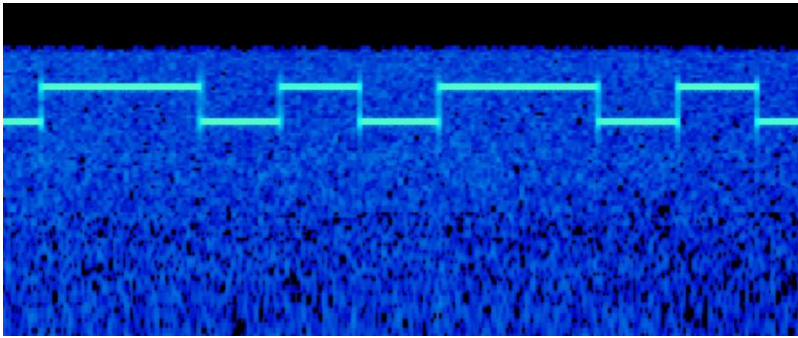
The system has been tested in April 2012 and was seldom heard after this time. Until the Situation in the Ukraine started to become ugly. After that the transmissions popped up quite frequently.

Logs

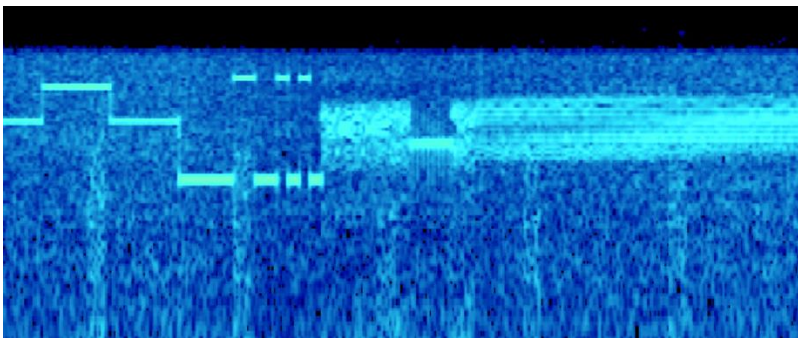
frequency	date	UTC
10250	10-4	1740
10250	11-4	0816
10250	11-4	0836
10250	11-4	1011
10255	11-4	0825
10255	11-4	0840
10255	11-4	1008
10256	10-4	1745

DP01: Polytone start followed by 2x 62.5Bd QPSK channels, double side band

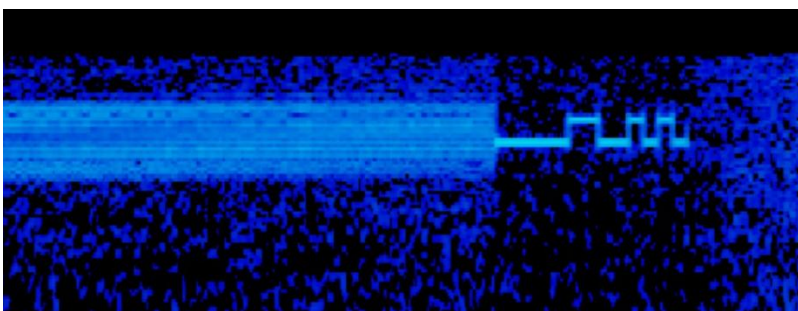
Check for recordings www.numbersoddities.nl



Start sequence

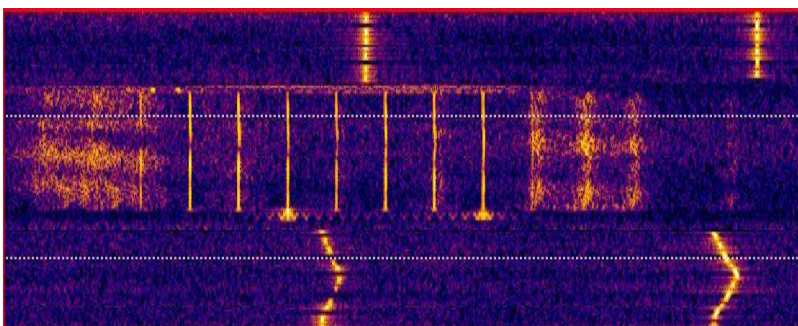


Start of the QPSK data



End of the QPSK data /end of transmission

Top down:



Start sequence

QPSK

End of transmission

Below an overview of the DP01 tests in April 2012 and the transmissions copied after that time.

frequency	date	UTC	day	frequency	date	UTC	day	frequency	date	UTC	day
16264	2-4-2012	1510	Mon	15869	9-4-2012	1415	Mon	18559	10-4-2012	1400	Tue
16332	3-4-2012	1410	Tue	14472	9-4-2012	1420	Mon	17477	10-4-2012	1405	Tue
16264	3-4-2012	1510	Tue	13456	9-4-2012	1425	Mon	16332	10-4-2012	1410	Tue
14353	3-4-2012	1520	Tue	18332	9-4-2012	1500	Mon	15869	10-4-2012	1415	Tue
16332	4-4-2012	1410	Wed	17423	9-4-2012	1505	Mon	14472	10-4-2012	1420	Tue
16264	4-4-2012	1510	Wed	16264	9-4-2012	1510	Mon	13456	10-4-2012	1425	Tue
14353	4-4-2012	1520	Wed	15841	9-4-2012	1515	Mon	18332	10-4-2012	1500	Tue
18559	6-4-2012	1400	Fri	14353	9-4-2012	1520	Mon	17423	10-4-2012	1505	Tue
17477	6-4-2012	1405	Fri	12229	9-4-2012	1525	Mon	16264	10-4-2012	1510	Tue
16332	6-4-2012	1410	Fri	18172	9-4-2012	1600	Mon	15841	10-4-2012	1515	Tue
15869	6-4-2012	1415	Fri	17448	9-4-2012	1605	Mon	14353	10-4-2012	1520	Tue
14472	6-4-2012	1420	Fri	16117	9-4-2012	1610	Mon	12229	10-4-2012	1525	Tue
13456	6-4-2012	1425	Fri	15823	9-4-2012	1615	Mon	18172	10-4-2012	1600	Tue
18332	6-4-2012	1500	Fri	13876	9-4-2012	1620	Mon	17448	10-4-2012	1605	Tue
17423	6-4-2012	1505	Fri	11442	9-4-2012	1625	Mon	16117	10-4-2012	1610	Tue
16264	6-4-2012	1510	Fri	13429	9-4-2012	1715	Mon	15823	10-4-2012	1615	Tue
15841	6-4-2012	1515	Fri	20146	10-4-2012	1200	Tue	13876	10-4-2012	1620	Tue
14353	6-4-2012	1520	Fri	19399	10-4-2012	1205	Tue	11442	10-4-2012	1625	Tue
12229	6-4-2012	1525	Fri	18571	10-4-2012	1210	Tue	16343	10-4-2012	1700	Tue
18172	6-4-2012	1600	Fri	17434	10-4-2012	1215	Tue	15809	10-4-2012	1705	Tue
17448	6-4-2012	1605	Fri	15879	10-4-2012	1220	Tue	14369	10-4-2012	1710	Tue
16117	6-4-2012	1610	Fri	14613	10-4-2012	1225	Tue	12192	10-4-2012	1720	Tue
15823	6-4-2012	1615	Fri	19348	10-4-2012	1300	Tue	10519	10-4-2012	1725	Tue
13876	6-4-2012	1620	Fri	18713	10-4-2012	1305	Tue	6836	17-9-2012	0740	Mon
11442	6-4-2012	1625	Fri	17468	10-4-2012	1310	Tue	6836	17-9-2012	0745	Mon
18559	9-4-2012	1400	Mon	15951	10-4-2012	1315	Tue	6836	17-9-2012	0750	Mon
17477	9-4-2012	1405	Mon	14366	10-4-2012	1320	Tue	6836	17-9-2012	0755	Mon
16332	9-4-2012	1410	Mon	13548	10-4-2012	1325	Tue				



North Korean diplomatic stations

21318.5 kHz, 31-3, 0955 UTC, DPRK-ARQ 600/600 North Korean embassy Guinea-Bissau
 21323.5 kHz, 20-3, 0457 UTC, DPRK-ARQ 600/600 North Korean embassy New Delhi



Sudanese diplomatic stations

21000 kHz, 12-3, 1132 UTC, USB MFA Khartoum voice traffic with embassy Yemen
 21002.1 kHz, 27-3, 2028 UTC, Pactor I 100/170 MFA Khartoum wkg embassy Yemen



Egyptian diplomatic stations

Modes: SITOR-A 100/170 & Codan-9001

frequency	date	UTC	remarks	mode
18241.7	1-4	0815	MFA Cairo clg KKVE embassy Bamako	Sitor-A 100/170
18472.7	1-4	0820	MFA Cairo clg TVXX embassy Sanaa	Sitor-A 100/170
19101.7	3-4	0852	MFA Cairo clg 11103 embassy Bern	Codan Chirp
19653.7	1-4	0940	Egyptian embassy Bamako clg SSTD MFA Cairo followed by encoded urgent telex	Sitor-A 100/170
20056.7	1-4	1003	MFA Cairo clg KKXO embassy Abidjan	Sitor-A 100/170
20126.7	3-4	0850	MFA Cairo clg KKXE embassy Luanda	Sitor 100/170



Czech diplo

frequency	date	UTC	remarks	mode
18271.5	1-4	1054	OLZ85 Czech diplo. #EA#BEINDIR# 4vXHtT 1 1.4.2014_10:51:21 #ENDDIR# #QR#CR#BE Standby for the following file from OLZ85 W018U-C01b.WCF 1654PK #QR#CR	Pactor III
18321.5	11-4	0844	Czech embassy Beijing msg to MFA Prague "ZÚ Peking"	Pactor-III

UTILITY ROUND-UP



Unid stations

3614 kHz, 06-04, 1909 UTC, CW (short zero's)

VVV DS7 DE WT8 QRU

VVV DS7 DE WT8 QRU

VVV DS7 DE WT8 QRU 6124 6124 SK SK 00

8131 kHz, 14-04, 1033 UTC:

In progress, machine sent, keyed carrier.

91781 01771 91781 K (1st and 3rd group the same)

Still in progress at 1040 UTC

Unid on 4325 and 4870 kHz. Copied by Gwraspe on 28-4 at ca 1730 UTC.

Gwraspe writes: "For the last half hour or so I've been monitoring 4870kHz which has had an unknown mode (or something) ongoing throughout. Strangely enough, Avare noticed on 4325kHz (R beacon/plovec-41 frequency) the channel marker was down and this same broadcast was present on 4325kHz at the same time. The broadcast stopped at the same time on both freqs with 4325 reactivating their channel marker and 4870 falling silent, though there is still a carrier present there. Attached is a short sample recording, have you heard anything similar previously?"

The signal is unknown to me and I wonder if it really is a digital mode. I think that it is more likely an erroneous transmission. The recording will be on the UDXF website www.udxf.nl (Recordings/UC5 page)

RUSSIAN MILITARY TRANSCRIPTS

Logs provided by Jay, Tom, Topol, Jim, Wolfgang, JPL, Ron, Avare, a very active Andre, and Ary.



RMv/RNv/RNAv/RAv **Russian military stations**

Frequency: various

Mode: USB / voice

RMv – Russian Military

9050 kHz, 15-04, 1350 UTC

Radio checks: "Tabel'30 ya Balans-79. Kak menya slyshite? Priyom". "Slyshu Vas na 4 balla".

(Balans-79, here is Tabel-30 how do you hear me?" Balans-79 answers: "I hear you with 4 points". (S4)

3870 kHz, 29-04, 1822 UTC: ЪЪЪ ЪЪЪ 86 34 РАБОТА 75 91 приём

XXX XXX 86 34 RABOTA 75 91 priyom

A very odd one. Heard by Gwrapse. Recording on the N&O website.

These messages are normally sent in Morse, not by voice. Maybe his key was broken ☺

Also strange is the 4 figure group before the code word as this is usually a 5 figure group.

RAv – Russian Air Force

11360 kHz, 03-04

1118 Korsar w/76551 (IL-76MD) next is landing at Novosibirsk.

1208 Chkalovskij w/78830 (IL-76MD)---rest fades to unreadable.

6685 kHz, 03-04

1606 Korsar w/86842 (IL-76MD) reporting departure from Sochi at 1950 MSK w/40 tons fuel--ETA Lvov 2200 MSK

1648 Korsar w/76549 (IL-76MD) reporting 2 hrs into flt fuel 40 tons alt 2800 mtrs passed point (missed). At 1816Z Korsar repeatedly calling 76549 w/no response--at 1823Z Korsar asks Proselok if he has heard from 76549. Finally hears from him (not heard) at 1848Z confirming passing point (missed) at alt 2800 mtrs w/29 tons fuel. Korsar asks for his ETA landing at Shagol (Russian AB,Chelyabinsk). Confirms that 76549 landed at Shagol at 2250 MSK w/15 tons fuel.

11360 kHz, 07-04

1124 Korsar w/Klarnetist relaying info for 78794 (IL-76MD) landing at ?Aleya? at 1523 MSK, fuel 22 tons
Korsar w/76762 (IL-76MD)

8090 kHz, 07-04

Nabor w/45979 (TU-95 Bear Ukrainka) w/msg: 328/827/564/296/774, then 962/262.

1850 Shpora w/unheard acft confirming msg 017/013.

1854 Nabor w/27916 (TU-95 Ukrainka) w/msg: 030/882.

1902 Nabor w/45976 (TU-95 Ukrainka) w/ Msg 030/710.

11360 kHz, 11-04

1155 Korsar w/76772 (IL-76MD) reporting 4 hour into flt passing ?Abitiya? at alt 2800 mtrs w/26 tons fuel.

1233 Korsar w/76533 (IL-76MD) reporting departure from Ulyanovsk East at 1620 MSK and next is Buntar (Russian AB Orenburg)

1530 76764 (IL-76MD) w/Korsar reporting 1 hr into flt w/31 tons fuel and ETA Ulyanovsk East is 1635 UTC.

6685 kHz, 11-04

1826 Korsar radio checks w/9712 (Given as 97 12---poss RFF 9712)

1840 Korsar w/82030 (Russian AF AN-124) reporting passing point LAMTU (spelled using NATO phonetics) at alt 3000 mtrs.
ETA landing Chkalovskij 2320.

11390 kHz, 23-04, 1114 UTC

Unid Russian control station wkg 67124 (O/M Russian) w/position report ????? North/3217 East. Y/L advises acft to switch to Murmansk Control on 132.5 (not sure about last digit).

11360 kHz, 23-04

- 1126 Korsar w/76767 (IL-76MD) reporting 3 hrs into flt and "ops normal" w/22 tons fuel.
 1127 Korsar w/65980 (Russian AF TU-134) reporting departure from Chkalovskij at 1530 MSK and ETA Tver 1605 MSK.

18030 kHz, 23-04,

- 1200 Korsar in comms checks w/Proselok, Davlenie, Klarnetist. Simulcast w/11360.0 USB.
 1202 Korsar w/65980 reporting landing at Tver.

11360 kHz, 24-04

- 1126 Korsar radio checks w/78718 (IL-76MD)
 1306 Korsar radio checks w/65980 (Russian AF TU-134)
 1336 Chkalovskij w/86409/86410 .
 1337 Korsar w/78794 (IL-76MD) reporting departure from Tver at 1720 MSK at alt 2200 mtrs passing Karmanovo and next is landing at Pskov.
 1522 Korsar w/76733 (IL-76MD) confirming landing at Pskov at 1920 MSK w/42 tons fuel.
 1737 Korsar w/78794 (IL-76MD) sending RD 140 160 344 460 280 315 160 251 423 340 308
 1739 86842 (IL-76MD) reporting landing at (?Glinozem?) at 2137 MSK.

6685 kHz, 24-04

- 1632 Korsar w/78842 (IL-76MD) reporting departure from Pskov w/28 pax and next is landing at (?Glinozem?)

8090 kHz, 24-04

- 1909 Shpora w/45978 (TU-95 Ukrainka) w/msg 999/810.
 1927 Shpora w/45978 w/msg (groups missed) 577 390 293 743. 45979 (TU-95 Ukrainka) also QSL's for msg.

6685 kHz, 25-04

- 1710 76613 (IL-76MD) w/Proselok (not heard) reporting 1 hr into flt w/21 tons fuel. Next is Buntar (Russian AB Orenburg).
 1801 Korsar w/Davlenie relaying flt info for 76612 (IL-76MD)--3 hours into flt w/57 tons fuel. At 1936Z reports 5 hrs into flt w/32 tons fuel
 1858 Korsar w/78759 (IL-76MD) reporting 5 hours into flt w/31 tons fuel ops normal and next is (?Dnepr?) at 0000 MSK.

11360 kHz, 30-04

- 1136 Korsar w/76722 (IL-76MD) reporting 3 hrs into flt at alt 2800 mtrs w/20 tons fuel.
 1426 Korsar w/76772 (IL-76MD) reporting landing at (?Koltsovo?) at 1719 MSK.
 1428 Korsar w/76604 (IL-76MD) reporting 1 hr into flt, passing point (?DOKIMA/DOPIMA?) w/35 tons fuel.
 1446 Korsar w/76649 (IL-76MD) reporting departure from Chkalovskij at 1850 MSK w/55 tons fuel, altitude 2700 mtrs and next is Korshun (Russian AB Gvardejskoe)
 1455 Korsar w/76724 (IL-76MD) reporting departure from Pskov at 1850 MSL w/40 tons fuel passing point SUGIR and next is Taganrog.

RNAv – Russian Naval Air**11354 kHz, 03-04**

- 1300 Priboj w/52763 (Russian Navy AN-26) reporting departure from Ostafyevo at 1243 UTC w/5000 kgs fuel--alt is 5500 mtrs and next is Levashovo.

11354 kHz, 07-04

- 1128 Priboj w/04104 (Russian Navy AN-26) reporting 1106 UTC departure from Myakiznak Leonid Leonid Zhenya (ULLV-Levashovo) and will land at Myakiznak Ulyana Olga Ivan (UUOI-Buturlinovka), alt 5200 mtrs and fuel 4500 kgs. At 1228Z reports position 5631N/3455E at alt 5200 mtrs w/3500 kgs fuel. At 1326Z reports position 5345N/3829E at 1325 UTC w/2800 kgs fuel. NOTE: Thanks to Alex Shmel for location idents
 1132 Priboj w/75085 (Russian Navy IL-20) position at 1110 UTC (missed)/?754E, fuel 20,000 kgs. At 1230Z reports position 5448N/78??E alt 2400 mtrs w/17,000 kgs fuel. At 1332Z reports position 5959N/6715E at 1330 UTC at alt 3400 mtrs w/14,800 kgs fuel.
 1141 Priboj w/75065 (Russian Navy IL-20) reporting passing point CORLI (spelled) at 1143 UTC at alt 5600 mtrs.
 1142 Priboj w/84050 (Russian Navy TU-142) reporting landing at (missed) at 1140 UTC w/16 tons fuel. At 1648Z reports passing ?NAMOZ? at 2300 mtrs w/59 tons fuel. ETA point ?SBELA? 1733 UTC.
 1144 Priboj w/26910 (Russian Navy AN-26) reporting passing ?Bogdanovo? at alt 4800 mtrs w/3600 kgs fuel.
 1327 Priboj w/52865 (Russian Navy AN-26) reporting departure from Ostayevo at 1320 UTC w/5400 kgs fuel and ETA landing at Pushkin at 1540 UTC.

11354 kHz, 11-04

- 1130 Priboj w/Novator relaying flt info for 26910 (Russian Navy AN-26) at alt 5500 mtrs w/3400 kgs fuel and ETA 1250 UTC landing at Severomorsk-3.
- 1206 Priboj w/52763 (Russian Navy AN-26) reporting passing KANON at 1309 UTC at alt 5500 mtrs w/4000 kgs fuel.

11354 kHz, 24-04

- 1144 Priboj w/52764 (Russian Navy AN-26) reporting departure from Anapa at 1125 UTC w/4600 kgs fuel and ETA landing Kacha 1325 UTC. Priboj relays info to Kraket.
- 1324 Priboj & Kraket w/47572 (Russian Navy AN-26) reporting departure from (missed) at 1310 UTC w/5300 kgs fuel and ETA landing at Kacha 1740 UTC.
- 1526 Priboj in radio checks w/75087

11354 kHz, 25-04

- 1150 Priboj w/52764 (Russian Navy AN-26) reporting departure from Anapa at 1137 UTC w/3400 kgs fuel and ETA landing at Kacha at 1345 UTC.
- 1226 Priboj w/47572 (Russian Navy AN-26) reporting departure from (?MG?) at 1210 UTC w/5400 kgs fuel and ETA landing at Kacha 1610 UTC. At 1344Z w/Priboj & Kraket reporting passing Morozok at 1330 UTC at alt 5800 mtrs w/4000 kgs fuel.



M32
Russian/CIS Military CW Stations

7853 kHz, 02-04

- 0920 XXX XXX N1DX N1DX 01008 APOLOG 2795 2236 k

12981 kHz, 02-04

- 0955 XXX XXX N1DX N1DX 17844 ILXMENIT 6176 2371 //13582 kHz
- 1000 XXX XXX N1DX N1DX 67841 PEPELICA 0807 1883 //13582 kHz
- 1020 XXX XXX 6YUE 6YUE 22902 BALAHNA 4582 8086 //13582 kHz
- 1036 XXX XXX 6YUE 6YUE 70617 DALARNEC 1594 4993
- 1240 XXX XXX 6YUE 6YUE 00842 DINOCERAT 7405 8000

13582 kHz, 02-04,

- 0955 XXX XXX N1DX N1DX 17844 ILXMENIT 6176 2371 //12981 kHz
- 1000 XXX XXX N1DX N1DX 67841 PEPELICA 0807 1883 //12981 kHz
- 1020 XXX XXX 6YUE 6YUE 22902 BALAHNA 4582 8086 //12981 kHz

13915 kHz, 03-04

- 1000 IE2F DE S12P R 312 ? K
- 1001 QGJC DE S12P R 312 ? K

11077 kHz, 03-04

- 1006 DE LFIF Q.1 K
- OK AS K
- OK AS K
- 1007 ISVH DE QGJG QSA 3 K
- 1008 ISVH DE QGJG QSA 3 K
- JENE DE QGJG QSA 3 K
- QGJG DE JENE QSA 2 K
- JENE DE QGJG QSA 3 AS K
- OK AS K
- ISE. DE QGJG ... K
- 1010 XXX XXX 7575 75 75W. ZU87925 87925 K
- QGEG DE EOED OK WZ ..T 87925

5119 kHz, 04-04

1750 ZD1V DE JYL8 R 481 ? K
 1751 ZD1V DE JYL8 R 481 ? K

3299 kHz, 04-04

2208 B97M QTC AR
 B97M 810 18 4 0155 810 =
 082 =
 2209 P P P P P Y H F F ' U C N S Q I G ' O I P Y (Cont'd)

6827 kHz, 05-04

1125 93465 42170 36528 85497 14512 21325 08074 39286 31462 15234
 20451 78652 32650 01245 25140 1524 095432 85485 21204 69326
 47152 78958 12424 35236 02315 78452 39632 15024 05050
 = 391 QXS K (Using short zeros)
 NDL7 DE 9NFO QTC 439 5305 1716 439 =
 391
 11111 21305 24578 16245 34251 95874 36596 25841 17458 95624
 21032 (Cont'd)

3348 kHz, 06-04

1533 DE C8FZ K
 R K
 3M.U DE C8FZ K
 R K
 .MPJ DE C8FZ K (1533z)
 R K
 1534 EGIR DE C8FZ K
 R K

4062 kHz, 06-04

1914 2M8N de D16X E 284 ? K
 JOJY DE D16X QTA 285 K
 JOJY DE D16X R EEEEE
 1915 JOJY DE D16X QTA 285 K
 D16X EEEEE RPT K
 D16X R K
 NOPG DE D16X R 285 ? K
 6LJY DE D16X R 285 ? K
 QT EEEE QRT 6 DE DJ6X R 285 ? K
 1917 YU7R DE D16X R 285 ? K
 W8YO DE D16X R 285 ? K

4108 kHz, 06-04

1922 M88I M88I M88I 231 486 2320 231 = 452 = 946.6 75675 61407 18406 20411 49547 93390 (Cont'd)

6957 kHz, 06-04

1932 MZ9I de C8A5 QRV K. Replies to QTC from NCS on 7964 kHz

7964 kHz, 06-04

1914 MZ9I: Russian Mil NCS. Msg to unid: MZ9I x3 663 30 6 2304 663 = 975 = PSVUW NWQChO UVBHö HVüEA UVBHö ...
 AUTZY PYPWU 941 RPT AL K. Nothing heard on QSX 6957 kHz
 1931 MZ9I: Russian Mil NCS 1931 CW C8A5 de MZ9I QTC K. Out station replies on QSX 6957 kHz.

10155 kHz, 08-04

1015 UUU XXX XXX WEGI WEGI 00695 60700 W L j u B c h I W Y J 3129 3962
 1022 UUU XXX XXX RGT77 RGT77 70044 95716 P O T x M A 7100 9007

11408 kHz, 08-04

1028 XXX XXX 1QRF 1QRF 89885 HLUePKIJ 4911 7328
 1135 XXX XXX 1QRF 1QRF 19788 PEGMATIT 8199 0628
 1201 XXX XXX 1QRF 1QRF 94195 BALXNIK 2968 8736

12832 kHz, 08-04

1038 XXX XXX WEGI WEGI 28133 22623 ChATEN 0536 0637
 1040 XXX XXX WEGI WEGI 41739 85668 HLUePKIJ 4911 7328
 1043 XXX XXX WEGI WEGI 38510 94024 BATYRQIK 0364 9923
 1142 XXX XXX RGT77 RGT77 84348 72262 PEGMATIT 8199 0628

12688 // 13443 kHz, 08-04

1152 XXX XXX VN6B VN6B W6BY W6BY RGT77 RGT77 67673 TAMANIT 7684 3189 BALAEeNDRAS 1369 1168
 1157 XXX XXX VN6B VN6B 1QRF 1QRF 55014 BALXNIK 2968 8736
 1159 XXX XXX W6BY W6BY 95637 WALXNEWEC 7869 6690 ChALXNOJ 7253 0657

8457 kHz, 08-04:

1027 XXX XXX 8FKP 8FKP 922EEEE
 1028 XXX XXX 8FKP 8FKP 92331 WALA\HKA 2765 8965
 XXX XXX 8FKP 8FKP 52256 DIOKSATION 70EEEE
 1030 XXX XXX 8FKP 8FKP 52256 DIOKSATI ON 7700 6142
 1031 XXX XXX 8FKP 8FKP 52256 DIOKSATION 7700 6142 K
 1032 XXX XXX 8FKP 8FKP 47350 ALKA\HAN 4584 0843
 1033 XXX XXX 8FKP 8FKP 47350 ALKA\HAN 7584 0843 K

7992 kHz, 15-04, 0304 UTC

VVVVVVV
 OK R K
 3CPC DE 4GXX QSV K
 BK QSA4 QSA? K
 QXS K
 OK R K

14376 kHz, 16-04, 1006 UTC

XHC3 260 23 16 1358 260 =
 463 =
 PPPPP ADFAQ \OOU\OE BIPNJ (Cont'd)

7968 kHz, 16-04

1018 XXX WEGI WEGI 18339 GLIPTOTKA 3017 8814
 1019 XXX XXX WEGI WEGI 18339 GLIPTOTEKA 3017 8814 K

7121 kHz, 16-04, 1021 UTC

WW4A DE 204I K (Keyed carrier)
 AR

6184 kHz. 16-04, 1139 UTC

23140 61816 71834 79130 57768 39545 12323 12341 61017 4EEEE
 61017 33795 41091 51109 89785 62563 69859 11258 49934 16025 K
 2Z07 QRV K

4140 kHz, 16-04, 1518 UTC

OK R K
 DE WPYR R 919 K
 OK K

14665 kHz, 17-04, 0818 UTC

XXX WEGI WEGI 88512 92577 GEMATOLIZ 1325 2117 K

13914 kHz, 17-04

0821 04554 GLADOSTX 9900 2421
 0822 XX XXX WEGI WEGI 04554 GLADOSTX 9900 2421 K
 0825 XXX XXX G5CX G5CX F2ET F2ET 71635 06359 WALERIAN 3701 6694
 0826 XXX XXX G5CX G5CX F2ET F2ET 71635 06359 WALERIAN 3701 6694 K
 0827 GXC3 GXC3 GXC3 DE JW8C JW8C QBE QYT 6 K
 0827 GXC3 GXC3 GXC3 DE JW8C JW8C QBE QYT 6 K
 0828 GXC3 GXC3 GXC3 DE JW8C JW8C QBE QYT 6 K

14376 kHz, 18-04, 0501 UTC

G2NM de H7MP QTC 215 30 18 0855 215 = 695 = P P P P P EMFIL BHXLSQTC K

13404 kHz, 18-04, 0506 UTC

G2NM: Russian Mil NCSs Duplex 0506 CW H7MP de G2NM R 215 QRV K

7196 kHz, 18-04

0502 M1EP de V8QV QSA NO K
 0505 M1EP de 3B8B QSA NO K
 0507 M1EP de AIE5 QSA NO K
 0520 M1EP de QF9E QSA NO K
 0523 M1EP QSO with outstations IBNI - Z43M - NG1Q - 3B8B - V8QV - LGN5 - QF9E

12986 kHz, 18-04, 0539 UTC

KMJQ clg NLV5: QTC ZVV AR - KMJQ QTC 137 30 180930 137 = ZRP 863 = D D D D D OGBNC DSECZ LEAIZ ÂIPWY 863 MSG
 repeated 2 times, then RPT AL QLN K

7196 kHz, 19-04, 0504 UTC

M1EP QSO with outstations IBNI – Z43M – NG1Q – 3B8B – V8QV – LGN5 – QF9E

13404 kHz, 19-04

0526 NRDJ QRV K
 0529 NRDJ R 726
 0511 G2NMclg7JQU QTC 675 19 0905 675 = 754 = D D D D D MZPKC OMUSR NZF JN

14376 kHz, 19-04

0526 NRDJ de TIZC QTC K
 0526 TIZC QTC 726 24 19 0920 726 = 161 = 23055 55007 ...
 0515 W6KT R 675
 0516 Y3ZT R 675
 0517 XHC3 R 675
 0517 YDG2 R 675

6968 kHz, 20-04

0401 PW3G de OMNJ K
 0401 PW3G de YZBN K
 0402 PW3G de Z5DV K

7196 kHz, 20-04, 0504 UTC

M1EP QSO with outstations IBNI – Z43M – NG1Q – 3B8B – V8QV – LGN5 – QF9E

12986 kHz, 20-04

0622 KMJQ clg NLV5. ZDJ ZDZ RPT ZDJ ZDZ K
 0623 T81M de KMJQ OK ? K
 0624 C8OQ de KMJQ OK ? K
 0631 T81M de KMJQ For QRJ ? K and R k
 0632 C8OQ de KMJQ For QRJ ? K and R k
 0645 T81M de KMJQ For QBE (QBE : closing the station) K and R k
 0646 C8OQ de KMJQ For QBE (QBE : closing the station) K and R k
 0647 T81M de KMJQ 980 980 156 = 6987 6637 0561 4874 8314 = 156 C? K
 0651 T81M de KMJQ QRV K. T81M de KMJQ R 680 K

13404 kHz, 20-04, 0501 UTC XHC3 de G2NM ZIF ZFM ZTH K
14376 kHz, 20-04, 0502 UTC G2NM deXHC3 QTC 041 18K

14376 kHz, 21-04

0501 JJVSZ ZNW ZBQ ZCD ZSR ZBN QRR3 K
0512 SZTK de BDHH QRV K
1304 BDHH R 314 K
.VLN R 314 K
C84V R 314 K
I7EL R 314 K
AYWG R 314 K
JVSZ R 314 K
1328 ST3D (collective Call) QTC AR

7196 kHz, 21-04

0511 F8LQ de 7EMI QSA NO K
0511 F8LQ QSO with outstations: VN3G 2NOG M6LG Z73X SM9M DCLO 7EMI 8DGK

13404 kHz, 21-04, 0512 UTC BDHH de SZTK QTC K

12986 kHz, 21-04

0534 7UFJ de JENA qrv k
0538 HKY3 de JENA QSV K
0539 JENA 952 952 216 = 2075 2836 7590 4245 = 216 K
0542 JENA QRV K. BK RPT AA 16 K. JENA R 330 K

14376 kHz, 21-04, 0558 UTC SZTK de C84V QRV K

10540 kHz, 21-04, 0746 UTC Ongoing traffic (groups of letters)

7964 kHz, 21-04, 1542 UTC X4SR Z.. ZSV ZSN QYT9

6968 kHz, 22-04

0400 K6PJ de OMNJ K
0401 K6PJ de PS1V K
0402 K6PJ de V.KT K
K6PJ de J3P2 K
0403 K6PJ de FRLC K
K6PJ de XXGG K

7196 kHz, 22-04

0504 F8LQde SM9M QSA NO K
0510 F8LQde 7EMI QSA NO K

7280 kHz, 22-04

0522 CM1F de A7SU QTC 002 23 22 0918 002 = 113 = PPPPP QVÂ+M JMANI X+GJT THNLJ X+GJTWWPWR 928 K
0539 CM1F de A7SU QTC K
A7SU de CM1F QRV QRS K
A7SU de CM1F R 002 K
A7SU de CM1F 002 23 22 0918 002 = 113 = PPPPP QVÂ+M JMANI X+GJT THNLJ X+GJTWWPWR 928 K
0546 CM1F de A7SU QXC 002 RPT AL K
CM1F de A7SU C R K

13404 kHz, 22-04

0543 N7C5 R 850 QRV K
0546 N7C5 R 380 K

14376 kHz, 22-04, 0543 UTC QVLN 380 25 230932 380 = 827 = 71409 31453 54092 R 850 QRV K

12986 kHz, 22-04

0935 de JENA QSA 4 R K
 7UFJ de JENA QSA ?K
 0936 7UFJ de JENA QSA 4 R K

7280 kHz, 22-04

0522 de A7SU QTC 001 23 22 0901 001 = 113= PPPPP BÔUDO ZZSQN WPVSÔ WWPWP 928 RPT AL K
 0539 CM1F de A7SU QTC 002 23 22 0918 002 = 113 = PPPPP QVÂ+M JMANI X+GJT THNLJ X+GJTWWPWR 928 K
 0555 WLAK de A7SU QTC 003 18 22 0930 002 = 113 = PPPPP 928 K
 0747 A7SU QSO with outstations CM1F, HKNP, GNNE, GWT9, WLAK

7964 kHz, 22-04

1400 ILB9 de 1WDN QBE QYT9 K
 1401 ILB9 de 1WDN R K
 1403 ILB9 de 1WDN ZNY ZNG ZLQ QYT9 K
 1404 ILB9 de 1WDN R K
 1447 6NBN de 1WDN QTC K
 1447 6NBN de 1WDN 775 21 22 1846 775 = ZFF 429 = MMMM DVPEH SPFBK
 1521 VHZK de ZR6W QTC K (22apr14) (Andre)
 1522 VHZK de ZR6W QTC 177 20 22 1908 177 = 429 = MMMMM DVPEH EGKZR WWPÂU 882 RPT AL K

3819 kHz, 22-04, 1918 UTC Msg in progress: 5YI9 = KOUHP SPPKO DRIYK UCYKE WWPÄE 882 K. NCS is on 3348 kHz.

3348 kHz, 22-04, 1927 UTC DNE5 de 5FY8 QTC 023 21 22 2304 023 = 942 = MMMMM DVPEH MUZChÄ EPDSW KOBÜÜ ...
 OQSÖL WWPÄI 882 (repeats) AR. No response from outstations on 3819 kHz observed or expected.

4062 kHz, 23-04

0241 8YNP = WHFLT +LGBL S+ZAL WEPWW 595 RPT AL K
 0257 V73K de KFIG QTC K
 0258 KFIG = 236 19 23 0650 236 =729 = MMMMM FPNKO GZTOA DIÔÔO TPUMK 595 RPT AL K
 0306 ZX3I de 8YNP QLX QYT9 K
 8YNP QRV K
 0313 8YNP R 471 26 23 0700 675 =471 = PEPWR K
 0318 ZX3I de 8YNP ZEA ZSZ ZKH QYT 9 K
 0328 6BJV de KFIG QTC K
 KFIG 668 22 230706 668 = 574 = MMMMM FPNKO WEPKO 595 RPT AL K

6968 kHz, 23-04

0400 K6PJ de Q5GK K
 0401 K6PJ de PS1V K
 0402 K6PJ de J3P2 K
 K6PJ de 4HKX K
 0405 K6PJ de FRLC K
 0406 K6PJ de X6GG K
 0408 K6PJ de J3P2 K

7196 kHz, 23-04, 0503 UTC F8LQ QSO with outstations VN3G, 2NOG, M6LG, Z73X, SM9M, DCLO, 7EMI, 8DGK

7280 kHz, 23-04, 0511 UTC A7SU QSO with outstations CM1F, WLAK, GNNE

6957 kHz, 24-04, 0405 UTC RMW46 QSO with outstations RGR97, RGR98, RGR88, RGR82, RGR85, RGR92

7280 kHz, 23-04, 0509 UTC A7SU QSO with outstations CM1F, HKNP, GNNE, GWT9, WLAK

7196 kHz, 23-04

0507 F8LQ de SM9M QSA NO K
 0508 F8LQ de 7EMI QSA NO K
 0516 F8LQ de 8DGK QSA NO K
 0518 F8LQ QSO with outstations VN3G, 2NOG, M6LG, Z73X, SM9M, DCLO, 7EMI, 8DGK

7854 kHz, 23-04

0509 S8FM de Q4IH R 209 ? K
 0510 MTLK de Q4IH R 209 ? K

12606 kHz, 23-04, 1142 UTC XXX WLHN 09892 OBNKA 5.40 1382 MENILELLA 4493 4317 K. No response from outstations on 11599 kHz.

13404 kHz, 23-04, 1127 UTC QTC K. 5ZTK 151 25 23 1523 151 = 984 = MMMMM SJBFü SZCWE OZPMN DRRUV ... GCHNL NKHBö WEPWE K. Ostn responds on 14376 kHz: BBHH R 151 K.

4518 kHz, 23-04, 1822 UTC DAXV de OGD I OK K

3348 kHz, 24-04, 1858 UTC 6NXU responds to outstations on 3819 kHz: 6NXU C K

3819 kHz, 24-04, 1857 UTC Outstation reading back msg: YHAöW RODEE ERCöt TBORR OCNSZ ... K. NCS responds on 3348 kHz.

3884 kHz, 24-04, 1906 UTC BQXS de KZDI QTC 804 15 24 2252 804 = 785 = .UKäs ChGWtCh PKHVL MZZöR PKHVL ... DPQFL GUöPR WRPäW 514 AR. No response noted/expected from outstations on 3368 kHz. Bcast QTC to TG4E followed.

5291 kHz, 24-04

1737 066 20 24 2040 066 = 829 173 732 = VRQPP VÔQZP ÔBVVGH = 566 RPT ALQLN K

1745 CQPR R 066 K

1748 HB2I de YH8M QTC K
YH8M de HB2I QRV K
YH8M 160 53 2045 160 = 508 381 732 = GGÔOW KUMSÔ BXSUR AIGEZ ÂPÂHÛ = 732 = K

1756 HB2I R 160 K

12986 kHz, 24-04

0702 HKY3 de JENA

0506 JENA 175 175 586 = 6132 3677 6204 3107 3307 3761 = 586 K

1605 1WDN QSO with outsides 6NBN 1U9Z TLLW IRDE ILB9 VHZK AY1T

6981 kHz, 24-04

0517 144 21 25 0902 144 = 070 = MMMMM ENZAH MN+EÂ ... 482 K

0602 Q4IH de ET1A QTC K

0603 ET1A 817 27 25 0951 817 = 683 = MMMMM HVWLE NOTÂÔ MWJAC TÔBMR MWJAC TÔBMR

0620 Q4IH de 4BPS QTC K

7853 kHz, 24-04

0514 Q4IH 144 21 25 0902 144 = 070 = MMMMM ENZAH MN+EÂ ... 482 RPT AL K

0603 ET1A de Q4IH QRV K

0607 Q4IH R 817 K

5291 kHz, 24-04, 0335 UTC FGTK de GHLM 452 56 25 0625 452 = 515 891 428 K

7196 kHz, 24-04

0518 F8LQ QSO with outstations VN3G 2NOG M6LG Z73X SM9M DCLO 7EMI 8DGK

0508 A7SU QSO with outstations CM1F HKNP GNNE GWT9 WLAK

0401 K6GJ QSO with outstations Q5GK PS1V J3P2 FRLC XXGG 4HKX (Q5X 6968 kHz)

6957 kHz, 25-04, 1919 UTC ILB9 QRV K. ILB9 R 014 K

3728 kHz, 25-04, 1431 UTC 9DXG OK QAP K

12688 kHz, 25-04, 1014 UTC XXX XXX WEGI WEGI 24064 FANTIK 5985 1603

Message also being sent in networks on 12981 and 13852 kHz at about the same time

11408 kHz, 25-04, 1017 UTC XXX XXX 1QRF 1QRF 77151 FANTIK 5985 1603

12832 kHz, 25-04, 1022 UTC XXX XXX WEGI WEGI 98786 24064 FANTIK 5985 1603

12981 kHz, 25-04, 1025 UTC XXX XXX C1OB C1OB 07142 KINOGRAMMA 3109 9011 ODNOVENEC 6366 6786

13852 kHz, 25-04, 1025 UTC XXX XXX C1OB C1OB 07142 KINOGRAMMA 3109 9011 ODNOVENEC 6366 6786

4062 kHz, 25-04

1921 6JOU de KFIG R 114 ? K

1922 9QGL de KFIG R 114 ? K

1923 9J5M de KFIG R 114 ? K

7964 kHz, 25-04

1919 ILB9 de 1WDN QTC K

1920 1WDN 014 34 25 2304 014 = 085

3554 kHz, 25-04, 2010 UTC, in progress

23521 59631 91486 30307 19240 04756 3966_ 4695_ 06599 32_64_
30838 35_43 3186_ 26720 44025 16035 58694 87830 42_890 96585
45605 33_70 68134 _9_32 836_3 260_6 074
Y1BW Y1BW Y1BW ... 40 26 0005 _85 =
7EMI 8DGK (28apr14) (Andre)
Z... (Cont'd)

6981 kHz, 26-04

0447 YFY5 908 18 26 0830 908 =074= PPPPP NHBÔO PIOÔE WÂZKT ... 035 K (26apr14) (Andre)
0457 YFY5 R 513 K. 4BPS R 513 K.
0458 1VA8 R 513 K. MTLK R 513 K. S7FM R 513 K
0514 O4A4 de GI4F R 519 ? K. TKBC de GI4F R 519 ? K. FQNY de GI4F R 519 ? K. P4LX de GI4F QTA NR 519 K

7196 kHz, 26-04, 0508 UTC F8LQ QSO with outstations VN3G 2NOG M6LG Z73X SM9M DCLO 7EMI 8DGK

7280 kHz, 26-04, 0508 UTC A7SU QSO with outstations CM1F HKNP GNNE GWT9 WLAK

7853 kHz, 26-04

0450 GS8V (collective Call) QTC ZSH K. Q4IH 513 20 26 0846 513 =ZSH 464 = DDDDD +CW+E S+ÔÔÔ ÂTÔÔT 475 k
0454 Q4IH R 908 K

7969 kHz, 26-04

0400 GI4F QSO with outstations FQNY O4A4 TKBC
Q4IH QSO with outstations 4BPS MTLK S7FM
0510 Y4GZ (collective Call) QTC ZSA AR
GI4F 519 24 26 0902 519 = ZSA 474 = FCIRA ADRPO OÔMC+ ÔOYGO OÔMC+ ÔOYGO OÔMC+ ÔOYGO 475 K

3538 kHz, 27-04, 0311 UTC PJGL OK QTA 729 K

6981 kHz, 27-04, 0515 UTC S7FM R 188 K

7196 kHz, 27-04, 0506 UTC F8LQ QSO with outstations VN3G 2NOG M6LG Z73X SM9M DCLO 7EMI 8DGK

7280 kHz, 27-04, 0508 UTC A7SU QSO with outstations GWT9 CM1F HKNP WLAK GNNE

7969 kHz, 27-04, 0400 UTC GI4F QSO with outstations : P4LX FQNY O4A4 TKBC

7853 kHz, 27-04

0400 Q4IH QSO with outstations 4BPS MTLK S7FM

0510 S7FM de ASE4 QTC 188 20 27 0904 188 = ZSH 082 = ÔLÂQB 117

3899 kHz, 28-04

1836 F8JO de JBOC K

1837 F8JO de LTCK QTC K

5514 kHz, 28-04, 1808 UTC ..QN de 5UWG R 027 ? K

6988 kHz, 28-04, 0647 UTC FQNY 310 31 28 1030 310 = 343 = QTS+Ô ... 343 K

7853 kHz, 28-04, 0400 UTC Q4IH QSO with outstations 4BPS MTLK S7FM (the outstations are on 6981 khz)

7932 kHz, 28-04, 0400 UTC K6GJ QSO with outstations Q5GK PS1V J3P2 FRLC XXGG 4HKX (the outstations are on 6968 khz)

7969 kHz, 28-04

0400 GI4F QSO with outstations P4LX FQNY O4A4 TKBC

0647 GI4F QRV K

0657 GI4F R 310 K

11138 kHz, 28-04

1357 i.p. LIMALAJ 7005 460 K)

1357 RDL RDL RDL 77665 01640 77665 01640 77665 01640 K

1357 XXX XXX W6BY W6BY 06867 90858 KILX 7952 5257 PILUçKA 2656 3731 K

1357 XXX XXX RGT77 RGT77 73099 39851 DIMEFOKS 8155 3630 K

3783 kHz, 29-04

1855 XWCN 739 29 29 2250 739=962=
 1903 XWCN
 1907 XWCN QRU K

3899 kHz, 29-04

1830 IQOU K
 F1JE K
 ZOT3 K
 LTCK K
 1838 LTCK 446 31 28 2220 446 =518 = 0GTNK 518 K

4237 kHz, 29-04

1837 ZT4F QRU QRV K
 1903 ZT4F R739 QRV K
 ZT4F QBE K

7196 kHz, 29-04

0511 F8LQ QSO with outstations VN3G 2NOG M6LG Z73X SM9M DCLO
 0505 F8LQ QSO with outstations VN3G 2NOG M6LG Z73X SM9M DCLO 7EMI 8DGK

7280 kHz, 29-04, 0508 UTC A7SU QSO with outstations GWT9 CM1F HKNP WLAK

7853 kHz, 29-04, 0400 UTC Q4IH QSO with outstations 1AV8 DF6D ET1A 4BPS MTLK S7FM (the outstations are on 6981 khz)

7932 kHz, 29-04, 0400 UTC K6GJ QSO with outstations Q5GK PS1V J3P2 FRLC XXGG 4HKX (the outstations are on 6968 khz)

7969 kHz, 29-04, 0400 UTC GI4F QSO with outstations P4LX FQNY O4A4 TKBC (the outstations are on 6988 khz)

14376 kHz, 29-04, 0437 UTC I7EL 786 22 29 0828 786 = 213 06497 93741

13404 kHz, 29-04

0437 N7C5 QRV K
 0441 N7C5 R 786 K

3819 kHz, 30-04, 1855 UTC PMJP = 452 K (3 times). Missed complete response from NCS on 3348 kHz Possibly '475 K'.

4191.5 kHz, 30-04, 1901 UTC 6NXU QYD1 R K. 'Could not respond due to faulty transmitter'

7964 kHz, 30-04, 1322 UTC Msg in progress: ... 209 = 452 = EChFZC PüChZR OChyChR ZP... MZOBO VChRWE EPPäE 303 RPT AL
 K. 1WDN C K. OStn inaudible on QSX freq 6957 kHz.

9149 kHz, 30-04, 1202 UTC TKFQ (x3) AR TKFQ (x3) AR. Nothing further.

12606 kHz, 30-04

1145 XXX WLHN 69839 LAPOWYJ(?) 7629 8477 GIPOFORIN 0905 4940 K.
 1306 Ends bcast msg nr 488: ... PSVLD EPPWE 303 K. A83L de 6KKM QTA 488 K. ZXVC de 6KKM QTA 488 K. 6KKM R K.
 Outstations not heard.



M32a
Russian Navy
Voyenno-Morskoy Flot Rossii

5342 kHz, 03-04

1753 01153 24735 21644 20889 62754 15686 03029 =
 AR RIT K
 RIT RPT RKT FM RMP K
 OK QRU K

4007 kHz, 04-04

1744 RIC87 DE RCV QTC 216 .2 3 .53. 216 =

5775 kHz, 04-04

1756 21 28 29 3. 3135 3637 4041 43 44 45 46 48 49 50 =
 RIC87 RIC87 RIC87 DE RCV QTC 213 46 3 0400 213 =
 DEJSTWU\UQIE PRIP NOWOROSSIIJSK NA 03 0000 APRELX 2014 FODA 2012 N\UD 250
 264 2013 GOD 63 146 174 (Cont'd)

10540 kHz, 04-04

0914 RJC66 DE RAA K
 RAA DE RJC66 K
 RAA SK
 RJC67 SK

3798 kHz, 17-04, 1752 UTC

RIC87 DE RCV QTC .. 7 4. 5 1550 137 = PRIP NOWOROSSIIJSKE. 3 KARTA 32103

7664 kHz, 19-04

0423 RIW 38600 320245 61998 13016 81165 20830 (Same signals on two frequencies 7664 kHz and 11000 kHz)
 0437 RMMA QYT9 QSX 11429 K (

11000 kHz, 19-04

0357 RAL48 de RIW QRC 969 152 19 0450 969 = SML FM RIT = 11111 91758 75801 30387 84480 99863 99829
 0423 RIW 38600 320245 61998 13016 81165 20830 (Same signals on two frequencies)
 0437 RMMA QYT9 QSX 11429 K
 0546 RAL48 de RIW K
 0616 RAL48 de RIW RPT 64669 08502 74045 K
 0618 RAL48 de RIW RPT 64669 08502 74045 K
 0620 RAL48 de RIW RPT 37207 76291 18845 K
 0639 RMMA de RIW QYT9 QWH (I will send on frequency) 10244 K
 0632 RAL48 de RIW QRU K

12464 kHz, 19-04

0546 RIW de RAL48 QRU K
 0609 RCV de RBIZ QSA , QTC K
 0609 RCV de RBIZ QTC 442 17 1 1000 442 = FOR RJT73 RJH45 = 1244 19014 = AR RIBZ K
 0616 RIW de RAL48 NR180 RPT 6 11 13
 0618 RIW de RAL48 NR180 RPT 6 11 13
 0620 RIW de RAL48 NR180 RPT 30 31 33
 0632 RIW de RAL48 QSL 180 K
 0638 RMMA QYT9 QSX 12440 K
 1240 C8OQ de KMJQ QRV
 1242 C8OQ de KMJQ R 120

4007 kHz, 20-04, 0304 UTC RIC87 de RCV QTC 147 42 19 1850 147

4079 kHz, 20-04, 0312 UTCde RMP QTCQuite low (barely RST 227) ... very bad reception

5224 kHz, 20-04, 0335 UTC RKZ de RCV QTC 750 152 20 0750

5775 kHz, 20-04, 1254 UTC RIC87 de RCV QTC 137 54 15 1550 137 = PRIP NOWOROSSIIJSD 73 KARTA 32103 ÔRNE

10540 kHz, 21-04, 0754 UTC RIT de RAA SK K. RAA de RIT SK K

4246 kHz, 21-04, 0116 UTC REO DE RMP QTC 764 180 21 1950 764 = SML = PROGNOZ POGODY D. 1.. (Cont'd)

10796 kHz, 21-04

0804 RAA de RIT QTC K. RIT de RAA QRV K
 0810 RIT de RAA SK K. RAA de RIT SK K

11000 kHz, 23-04

1037 RCJD DE RIW QSA 3 K - RIW AS 2 K
 1220 XXX XXX RIW RIW SAHAREC 79920 08100 01610 00222 48906 34792 00579 01615 K
 1450 RIW SAHAREC 84683 68804 01845 00111 66669 78324 13510 00014 11846 K

5443 kHz, 23-04, 0252 UTC RAU90 DE RIT QTC 124 21 23 0536 124 =

18107 kHz, 21-04

RDL RDL RDL 82840 46605 82840 46605 82840 46605 K -
 XXX XXX WEGI WEGI 26591 70672 UKLEJKA 9533 1934 K
 XXX XXX WEGI WEGI 30277 12109 OKONNYJ 7777 0556 K
 XXX XXX WEGI WEGI 73337 12522 EKWIWALENT 1863 2787 K
 XXX XXX RGT77 RGT77 59487 19844 EKWATORIAL 8170 7154 K
 RDL RDL RDL 22705 14998 22205 14998 22705 14998 K
 XXX XXX RGT77 RGT77 39940 51859 OKAÄNNYJ 2076 5794 SKATYWANIE 1840 1508 K
 XXX XXX W6BY W6BY 81273 35165 ÄJLA 4105 2997 KIÄNKA 6749 0570 K

12464 khz, 23-04

0754 XXX XXX RIW RIW SAHAREC 70524 95830 01145 00111 04450 03231 00810 01146 K
 1220 XXX XXX RIW RIW SAHAREC 79920 08100 01610 00222 48906 34792 00579 01615 K
 Message was repeated by navy hq on 11000 kHz
 1419 XXX XXX RGK37 RGK37 SAHAREC 79920 08100 01800 00222 05959 02744 00308 01820

5775 kHz, 23-04, 1757 UTC RIC87 de RCV QTC 175 29 23 1026 175 = PRI....NOWOROSSISK 90 KARTA 32103 ÔRENOE MOR

4007 kHz, 25-04, 0252 UTC RIC87 de RMP QTC 179 56 23 1416 179 = //5775 kHz

5775 kHz, 25-04, 0252 UTC RIC87 de RMP QTC 179 56 23 1416 179 = //4007 kHz

11000 kHz, 29-04

1017 RMMA DE RIW QSA?
 1037 RGR70 DE RIW QSA?
 1042 RGR70 DE RIW QTC 520 49 29 1055 420 = FM RAA = 16652 81375 38220

4079 kHz, 30-04, 0252 UTC R.... DE RMP QTC 194 143 30 194 =



M32b
Russian Naval Aviation
Aviatsiya Voenno-morskogo Flota Rossii

7861.5 kHz, 06-04

1905 RAL2: Russian Naval Air NCS. Exchanges QSA, QRU SKs with at least RDU2, RHW2 and RBL71

8816 kHz, 08-04

0614 RJF94 RJC38 DE 26910 QTO 0600 QRD XLMV XLWF QBD 5200 QRE 0920 K - QAY XLPB 0710 QBG 5500 QBD 3200 QRE
 XLMV 1025 K - QTH 6401 3512 QTR 0810 QBG 5500 QBD 2500 K - QTH 6616 3336 QTR 0907 QBG 5500 QBD 1700 K QQM
 XLMV1015 SK
 0844 RJF94 RJC38 DE 10710 QTO 0830 QRD XLMV XLWF QRE 1100 QBD 13800 K - QTH 6245 3603 QTR 0930 QBG 6700 K -
 QTH 6622 3334 QTR 1024 QBG 6700 K - QQM XLMV 1115 SK
 1344 RJF94 RJC38 DE 10710 QTO 1325 QRD XLWF XUMO QBD 2800 QRE 1455 K - QAY XUBK 1417 QBG 5200 QBD 1500 K -
 QQM XLWF 1442 SK

8817 kHz, 10-04, 1022 UTC

20901 DE RJF94 RJF94 QSA 3 QRV K
 QTO 1000 QRD .L.V DIII QRD X..V .LLP QBD 5000 QRE 1310 RPTAL K
 RJF94 QTO 1000 QRD XLMV XLLP QBD 5000 QRE 1310 K
 20901 C K

8816 kHz, 14-04

0939 RJF94 RJC38 DE 75095 QTO 0928 QRD XUOI XLMV QBD 21500 QRE 1328 K - QQL ULPE 1023 QBG 7600 K - QAY XLPB 1101
 QBD 18000 - QQL ULWC 1136 QBG 7900 K - QQL UUD 1220 QBD 15000 QRE XUOI 1330 K - QQM XUOI 1324 SK
 1355 RJF94 RJC38 DE 75086 QAY XLPB 1353 QBD 14000 QBG 7300 K - QQL ULPE 1430 QBD 12300 QRE XLMV 1531 K

8816 kHz, 18-06

0709 RJF94 RJC38 DE 10710 QTO 0918 QRD XRKH XRKE QRE 1010 QBD 18300 K - QQM XRKH 1007 SK
 1155 RJF94 RJC38 DE 10710 QTO 1143 QRD XLPB XRKH QRE 1545 QBD 16000 K - QQL XRRI 1242 QBG 6900 K - QTH 5331
 3008 QTR 1343 QBG 13500 QBG 6900 K - QTH 5842 3803 QTR 1448 QBK 6400 QBD 8800 K - QQM XLPB 1545 SK
 1731 RJF94 RJC38 DE 10710 QTO 1715 QRD XLMV XLPB QRE 1900 QBD 11800 K - QTH 6622 3334 QTR 1818 QBG 6100 K -
 QQM XLMV 1922 SK

8816 kHz, 21-04

0639 RJF94 RJC38 DE 10712 QTO 0630 QRD XUMO XLMV QRE 0930 QBD 1680 K - QTH 6456 3430 QTR 0728 QBG 7000 K -
 QTH 6001 3745 QTR 0828 QBG 7000 K - QQM XUMO 0930 SK
 1202 RJF94 RJC38 DE 10712 QTO 1147 QRD XLWF XUMO QRE 1250 QBD 9500 K - QQM XLWF 1246 SK

8816 kHz, 22-04

0703 RJF94 RJC38 DE 26916 QTH 6634 3557 QTR 0700 QBG 5800 QBD 2700 QRE XLAA 0735 K - QQM XLAA 0740 SK
 0912 RJF94 RJC38 DE 26916 QTO 0900 QRD XLWF XLAA QBD 4800 QRE 1050 K - QTH 6144 3903 QTR 1000 QBG 5500
 QBD 3600 K - QQM XLWF 1100 SK

8816 kHz, 26-04

0615 RJF94 RJC38 DE 26916 QTO 0600 QRD XLMV XLWF QBD 5100 QRE 0930 K - QAY XLPB 0708 QBG 5500 QBD 4000 K - QQL
 ULPE 0804 QBG 5500 QBD 3100 K - QQL XLMF0850 QBG 5500 QBD 2400 K - QQM XLMV 0931 SK
 0658 RJF94 RJC38 DE 10712 QTO 0646 QRD URKA XLMV QRE 1250 QBD 20200 K - QTH 6408 3506 QTR 0750 QBG 7600 K - QQL
 ULWC 0841 QBG 7600 QRE URKA 1200 K - QTH 5330 3835 QTR 0946 QBK 7600 QBD 13400 K - QQL XRRI 1040 QBK 7600
 QBD 11400 QRE URKA 1150 K
 1438 RJF94 RJC38 DE 10712 QTO 1428 QRD XRFA URKA QRE 1515 QBD 8600 K - QQM XRFA 1530 SK
 RJF94 RJC38 DE 10712 QTO 1734 QRD URKA XRFA QRE 1825 QBD 11800 K - QQM URKA 1828 SK

8816 kHz, 28-04

0614 RJF94 RJC38 DE 26916 QTO 0604 QRD XLLP XLMV QBD 4700 QRE 0900 K - QQL ULPE 0715 QBG 5800 QBD 3400 K - QAY
 XLPB 0807 QBG 5500 QBD 2600 K - QQM XLLP 0909 SK
 0838 RJF94 RJC38 DE 10712 QTO 0828 QRD XRFA XRKA 0925 QBD 9000 K - QQM XRFA 0923 SK
 1149 RJF94 RJC38 DE 26916 QTO 1138 QRD XUMO XLLP QBD 4600 QRE 1335 K - QAY XUEM 1245 QBG 5200 QBD 3500 K -
 QQM XUMO 1329 SK
 1348 RJF94 RJC38 DE 10712 QTO 1335 QRD XLWF XRFA QRE1800 QBD 21000 K - QQL URRR 1443 QBG 7300 K - QTH 5143 4010
 QTR 1535 QBG 7300 K - QRE XLWF 1720 K - QQL UUEE 1633 QBG 7300 QBD 14000 K - QQM XLWF 1723 SK
 1348 RJF94 RJC38 DE 26916 QTO 1515 QRD XLWF XUMO QBD 5000 QRE 1650 K - QAY XUBK 1614 QBG 4500 QBD 3900 K -
 QQM XLWF 1638 SK



M32c
Russian Air Force
Voyenno-vozdushnye sily Rossii

8029 kHz, 02-04, 1820 UTC W Markers



EMERGENCY ACTION MESSAGES & SKYING MESSAGES

Reports by Dave, John, Gary, Rick and Ary

Frequencies: 6739, 8992, 11175 kHz

5 April

1200 SJ2GSN Mainsail for MILD FELLOW 30 chr EAM
1213 SJ7LU6 Mainsail for MILD FELLOW 30 chr EAM
1219 SJKKIX Mainsail for FORAY 30 chr EAM
1225 SJEGXN Mainsail for FORAY 30 chr EAM
1233 SJIYPE Mainsail for TEMPER 25?? 30 chr EAM
1300 WMPMBI Mainsail 30 chr EAM
1404 SJDBLR Mainsail for JIMID?? 30 chr EAM
1422 WMEO34 Mainsail 30 chr EAM
1424 SJIV67 Mainsail for JIMID?? 30 chr EAM
1429 WMZPTB Mainsail 30 chr EAM
1435 WMEO34 repeat
1438 WMCRQ7 Mainsail 30 chr EAM
1531 SJARQC Mainsail for MATTOCK?? 30 chr EAM
1533 SJFCUI Mainsail 30 chr EAM
1542 RJO 42 Q? Mainsail Skyking DNA
1551 SJVI35 Mainsail 30 chr EAM
1602 SJLL5 Mainsail 30 chr EAM
1637 SJZJNH Mainsail 30 chr EAM
1640 LIP 40 NV Mainsail Skyking DNA
1644 Skyking Skyking Do Not Answer disregard my Lima India Papa transmitted at 40 time 44 authentication Echo Echo
1644 LIP 44 EE Mainsail Skyking DNA
1700 SJZJNH Mainsail 44 chr EAM
1720 WMTNDZ Mainsail 30 chr EAM
1732 WMPNOA Mainsail 30 chr EAM
1735 WM2UE7 Mainsail 30 chr EAM
1738 WMNITZ Mainsail 30 chr EAM
1800 -1804 WMNITZ, WM2UE7 and WMPNOA repeated
1914 WMETQX Mainsail 30 chr EAM
1916 WM3MNP Mainsail 30 chr EAM
1918 WMEWD2 Mainsail 30 chr EAM
1920 WM5Q2K Mainsail 30 chr EAM
1930 -1934 WM5Q2K, WMEWD2 and WM3MNP repeated
1944 SJHFTU Mainsail for FORAY 30 chr EAM
2008 SJH7W3 Mainsail for FORAY 30 chr EAM
2023 TRS 23 FJ Mainsail Skyking DNA
2025 MNV 25 ?S Mainsail Skyking DNA
2030 SJD4TA Mainsail 30 chr EAM
2104 DFD 04 TH Mainsail Skyking DNA
2104 SJBG36 Mainsail for FORAY 30 chr EAM
2135 SJAOIK Mainsail for FORAY 30 chr EAM

6 April

0948 SJSAH5 for TOKAY HARRY 30 chr EAM
0955 SJFDFJ for ?? 30 chr EAM
1038 SJS52I for DONKEY 30 chr EAM
1044 SJJIXE for GAME 30 chr EAM
1050 SJAH22 for DONKEY 30 chr EAM
1106 SJDYMO for ?? 30 chr EAM
1112 SJP7SJ for MILD FELLOW 30 chr EAM

1118 SJR2FI for DONKEY 30 chr EAM
 1124 SJV2DO for MILD FELLOW 30 chr EAM
 1258 OQH 58 RL Skyking DNA
 1436 SJTJ4T for ATTIC 30 chr EAM
 1439 SJCJ4Q 30 chr EAM
 1506 SJX745 60 chr EAM
 1514 SJFW63 30 chr EAM
 1527 SJFXDS 30 chr EAM
 1530 SJFW63 30 repeat
 1534 SJX745 60 chr EAM
 1557 WMZJLF 30 chr EAM
 1600 WMFAKO 30 chr EAM
 1604 WMDSTL 30 chr EAM
 1606 SJFXDS 30 chr EAM
 1630 WMD2TL repeat
 1632 WMFAKO 30 chr EAM
 1634 SJX745 60 chr EAM
 1700 WMD2TL repeat
 1702 WMFAKO 30 chr EAM
 1704 SJX745 60 chr EAM
 1730 WMD2TL repeat
 1732 WMFAKO 30 chr EAM
 1734 SJX745 60 chr EAM
 1827 ESL 27 IE Skyking DNA
 1838 SJXL4U for GAME 30 chr EAM
 1855 F6M 55 EB Skyking DNA

7 April

1502 SJKTGF 34 chr EAM
 1522 SJLOHS 30 chr EAM
 1525 SJAVFL 30 chr EAM
 1530 SJAVFL repeat
 1532 SJLOHS repeat
 1534 SJKTGF repeat
 1600 SJKTGF repeat
 1619 SJLKBI 110 chr EAM
 1630 SJLKBI repeat
 1636 SJKTGF repeat
 1654 WMVHJ6 30 chr EAM
 1700 WMVHJ6 repeat
 1703 WM3YYM 30 chr EAM
 1705 SJLKBI repeat
 1711 SJKTGF repeat
 1953 WMEV3M 30 chr EAM
 2000 WMEV3M repeat

9 April

1203 SJDKNF 34 chr EAM
 1352 SJNCJ6 30 chr EAM
 1356 WMHI73 30 chr EAM
 1536 SJNKMT 34 chr EAM
 1602 SJNKMT repeat
 1634 WMMFJI 30 chr EAM
 1649 SJPC2X 99 chr EAM
 1704 SJACBF 30 chr EAM
 1728 WMRQVB 30 chr EAM
 1730 SJACBF repeat
 1749 WMOOKK 30 chr EAM
 1910 EFO 10 EJ Skyking DNA
 1934 SJBCK for DOKEY? 49 30 chr EAM

2026 SJBCFV 30 chr EAM

13 April

1327 524 27 DS Skyking DNA
1327 WMUIP6 30 chr EAM
1329 WMZM7K 30 chr EAM
1632 RFNRUJ for ?? 30 chr EAM
1648 RF6TYR for RED SWEAT 30 chr EAM
1703 455 03 ED Skyking DNA
1733 RFMHYZ for RED SWEAT 30 chr EAM
1753 RFPK2N for RED SWEAT 30 chr EAM

14 April

1048 3KS 48 ?? Skyking DNA
1048 RFP3GO for Alky 79 30 chr EAM
1053 XVE2O4 30 chr EAM
1100 XVE2O4 30 chr EAM repeat
1102 RFP3GO for Alky 79 30 chr EAM repeat
1116 XVOXKD 30 chr EAM
1130 XVOXKD 30 chr EAM repeat
1200 XVOXKD 30 chr EAM repeat
1230 XVOXKD 30 chr EAM repeat
1300 XVOXKD 30 chr EAM repeat
1438 7AS 39 UJ Skyking DNA
1613 MRQ 13 W? Skyking DNA
1630 XVENI2E 30 chr EAM
1655 XVEIYM 30 chr EAM
1700 XVEZXF 30 chr EAM
1702 XVEIYM 30 chr EAM repeat

18 April

1230 XVE?MMB 30 chr EAM
1433 6A3 33 HI Skyking DNA
1436 AKH 36 PY Skyking DNA
1552 RFP6VZ 34 chr EAM
1600 RFP6VZ repeat
1615 RF47X4 30 chr EAM
1630 RF47X4 repeat
1632 RFP6VZ repeat
1646 XVEWSE 30 chr EAM
1653 XVEGKA 30 chr EAM
1700 XVEGKA repeat
1702 XVEWSE repeat
1704 RF47XE repeat
1921 RFRVP2 For Injunction 30 chr EAM

21 April

0558 Mainsail, 30 chr EAM: XVE2MTU 5JUSA67U3YJMCRAVB7DYS3KA
0630 Mainsail, 30 chr EAM: XVE6VG 6XHLRCJ73BWESU4J3TWLVIRIG
0632 Mainsail, 30 chr EAM: XVE7FFK D2WRDV6ANXAU7P7ORC4F6CQ
1933 Mainsail, 30 chr EAM: XVE5DEY 7L2XUETZ6I4VAOUVXH05JXUS
1934 Mainsail, 30 chr EAM: XVEAFMG ILCMLABGRTIJZYHA6WDRWP2S
1938 Mainsail, 30 chr EAM: XVE46DG MN4ARUPIYGIFISIAUSEF2Q3T4
1940 Mainsail, 30 chr EAM: XVEWFAM IS5NXLVCWHGSDQPGQR6OGY7B
1942 Mainsail, 30 chr EAM: XVE5DEY 7L2XUETZ6I4VAOUVXH05JXUS
2014 Mainsail, 30 chr EAM: XVECRF3 B7YB6RYJU4JIE5GL6G3N64FU
2028 Mainsail, 30 chr EAM: XVEOMEX S64QOEVSVCNREHHXKYWH6T
2030 Mainsail, 30 chr EAM: XVECRF3 B7YB6RYJU4JIE5GL6G3N64FU
2033 Mainsail, 30 chr EAM: XVEWFAM IS5NXLVCWHGSDQPGQR6OGY7B
2102 Mainsail, 30 chr EAM: XVELZFP 27CAQYQ6JV7TLZV4ZTR45DCL

2104 Mainsail, 30 chr EAM: XVOMEX S64QOEVSVCNREHHXKYWH6T
2106 Mainsail, 30 chr EAM: XVCRF3 B7YB6RYJU4JIE5GL6G3N64FU
2108 Mainsail, 30 chr EAM: XVWFAM IS5NXLVCWHGSDQPGQR6OGY7B

22 April

1330 DNS 30 AZ Skyking DNA
1342 XVISJF 30 chr EAM
1352 XVHFLI 30 chr EAM
1354 XVHFLI repeat
1400 XVHFLI repeat
1409 GMW 09 EZ Skyking DNA
1412 P2U12 RI Skyking DNA
1413 G5W 13 RI Skyking DNA
1413 P2U 13 RI Skyking DNA
1442 Mainsail 30 chr EAM: XVISJF AVCPMZG3PJPHAHYET4WFXC7R
1452 Mainsail 30 chr EAM: XVHFLI 7NSJUV6KEHTUGNMJJS2YEN5 I say ... Disregard this transmission. This is Mainsail. Out
1454 Mainsail 30 chr EAM: XVHFLI 7NSJUV6KEHTUGNMJJS2YEN5
1500 Mainsail 30 chr EAM: XVHFLI 7NSJUV6KEHTUGNMJJS2YEN5
1509 Mainsail Skyking Skyking do not answer. G5W time 09 authentication EZ
1512 Mainsail Skyking Skyking do not answer. P2U time 12 authentication RI
1531 RFEDSP 34 chr EAM
1544 RFJYTP for ?? TODAY? 30 chr EAM
1600 RFEDSP repeat
1623 RDGQJD 54 chr EAM
1724 Mainsail 54 chr EAM: RFGQJD O2VXXYFTYLDVVV3LRVV3ZRVV3WRVV3DRVV3PL6X55KPZXKR4
1729 XVPOVU 30 chr EAM

23 April

1433 XVS5K 30 chr EAM
1456 HOP 59 DN Skyking DNA
1459 XH2 59 DN Skyking DNA
1459 XVS5K 30 chr EAM
1648 SMR 48 EL Skyking DNA
1950 RFXT3T for Aness? 34 30 chr EAM
2026 FFP 26 VQ Skyking DNA
2030 XV3KXR 30 chr EAM

24 April

1232 Mainsail: EAM i.p. 5AVB366K7J5345FDVU4XOLKT
1228 Mainsail: Skyking Skyking do not answer. SQD time 28 authentication IN
1228 Mainsail: Skyking Skyking do not answer. JU6 time 28 authentication IN
1408 Mainsail: Skyking Skyking do not answer. 7H5 time 08 authentication JK
1248 Mainsail: 30 chr EAM XVEE3W AY73A5M2ZENKGCKOXJMK3M
1430 Mainsail: 30 chr EAM XVEE3W AY73A5M2ZENKGCKOXJMK3M
1435 Mainsail: 30 chr EAM XVP674 4ZW376KTRSEEAGOP6E4TLKF5
1440 Mainsail: 30 chr EAM XV3GRO ZFB3QCSNUZBOKGXGX2TFAEYU
1501 Mainsail: 30 chr EAM XVEE3W AY73A5M2ZENKGCKOXJMK3M
1540 Mainsail: 30 chr EAM XVEE3W AY73A5M2ZENKGCKOXJMK3M
1632 Mainsail: 50 chr EAM RFCDB7 YOCCGV4SM3TNOHPSDOHP7LDJQFL6CDWWZKHWXDFWFMAG
1701 Mainsail: 50 chr EAM RFCDB7 YOCCGV4SM3TNOHPSDOHP7LDJQFL6CDWWZKHWXDFWFMAG
1732 Mainsail: 50 chr EAM RFCDB7 YOCCGV4SM3TNOHPSDOHP7LDJQFL6CDWWZKHWXDFWFMAG
1735 Mainsail: 50 chr EAM RFCDB7 YOCCGV4SM3TNOHPSDOHP7LDJQFL6CDWWZKHWXDFWFMAG
1757 Mainsail: 30 chr EAM For Oddy-40 RF4OLR 42QM2FYBLYO5FKSROXQVEDYB
1805 Mainsail: 30 chr EAM For Oddy-40 RF4OLR 42QM2FYBLYO5FKSROXQVEDYB
1928 Mainsail: 30 chr EAM XV6NKB
1936 Mainsail: EAM RFOBRW
1942 Mainsail: 30 chr EAM XV6NKB
1954 Mainsail: Skyking Skyking do not answer. WAW time 54 authentication OF

25 April

1046 Mainsail: Skyking Skyking do not answer. GIS time 46 authentication ND
1249 Mainsail: Skyking Skyking do not answer. R7G time 49 authentication OB
1413 Mainsail: 30 chr EAM XVRK4R UMILHVMGRSTJY4FW6YP6CFM3
1418 Mainsail: 30 chr EAM XVCOSC GN6KJ6CX7OWY2BF26VB75LKQ
1430 Mainsail: 30 chr EAM XVCOSC GN6KJ6CX7OWY2BF26VB75LKQ
1432 Mainsail: 30 chr EAM XVRK4R UMILHVMGRSTJY4FW6YP6CFM3
1451 Mainsail: 30 chr EAM XVJZ2X 6BZZPIB4DGF17PLF3CJC5WLY
1500 Mainsail: 30 chr EAM XVJZ2X 6BZZPIB4DGF17PLF3CJC5WLY
1502 Mainsail: 30 chr EAM XVCOSC GN6KJ6CX7OWY2BF26VB75LKQ
1506 Mainsail: 30 chr EAM XVXA32 NBGMFK2OC7JNCLXCT5H4DXMM
1508 Mainsail: 30 chr EAM XVRK4R UMILHVMGRSTJY4FW6YP6CFM3
1530 Mainsail: 30 chr EAM XVXA32 NBGMFK2OC7JNCLXCT5H4DXMM
1532 Mainsail: 30 chr EAM XVCOSC GN6KJ6CX7OWY2BF26VB75LKQ
1534 Mainsail: 30 chr EAM XVRK4R UMILHVMGRSTJY4FW6YP6CFM3
1715 Mainsail: Test count 123 321
2046 Mainsail: 24 chr EAM For Arlen-46 RFDJTI 564SGG2YKULPLNMEIMAUD2DT
2051 Mainsail: 24 chr EAM For Arlen-46 RFDJTI 564SGG2YKULPLNMEIMAUD2DT
2100 Mainsail: Test count 12345 54321
2108 Mainsail: Test count 123 321
2108 Mainsail: Skyking Skyking do not answer. W4K time 08 authentication VF
2111 Mainsail: Skyking Skyking do not answer. W4K time 11 authentication DN
2117 Mainsail: 30 chr EAM XV2Z1Y FYQV6KM5HLO5RPLDYMJ4N4K2
2125 Mainsail: 30 chr EAM XVSUYZ CGSDFBZRMHD75CYBZZRTC52H
2132 Mainsail: 30 chr EAM XVDE2Q M3SJNP7Z35JP335GRNB574SB
2132 Mainsail: 30 chr EAM XVSUYZ CGSDFBZRMHD75CYBZZRTC52H
2134 Mainsail: 30 chr EAM XV2Z1Y FYQV6KM5HLO5RPLDYMJ4N4K2

28 April

1250 Mainsail: RFTUSE for ?? 64 30 chr EAM
1806 Mainsail: FL7 04 ?? Skyking DNA
1806 Mainsail: EM5 04 ?? Skyking DNA
1851 Mainsail: RFOLUN for ?? 64 30 chr EAM
1908 Mainsail: RFS7DM 30 chr EAM
1919 Mainsail: XVFQXJ 30 chr EAM

29 April

1238 Mainsail: RFCGQV 41 chr EAM
1338 Mainsail: 41 chr EAM RFCPQW 3QHSHVKEKPQI3MSTNKEQKGRZFZILIBXMZMU
1400 Mainsail: 41 chr EAM RFCPQW 3QHSHVKEKPQI3MSTNKEQKGRZFZILIBXMZMU
1404 Mainsail: 30 chr EAM XVNLPB 3UVWRVWS3YVSMA2OJZQDUSBQ
1446 Mainsail: ITU 46 U? Skyking DNA
1524 Mainsail: RFQW5Z 60 chr EAM
1530 Mainsail: RFQW5Z repeat
1704 Mainsail: XVPJ23 30 chr EAM
1706 Mainsail: XV?BOG 30 chr EAM
1708 Mainsail: XVGZQC 30 chr EAM
1713 Mainsail: XVGZQC repeat
1718 Mainsail: P52 18 DB

30 April

1302 Mainsail: 34 chr EAM RF2I7Z JTUPMIBIVRSXGJ7JTUV2KLO6GXEH
1401 Mainsail: 30 chr EAM XVLXSV GRUD4XGBLY2U37AZDTFCRJOS
1432 Mainsail: XV77ZV6UXLCMYMNF2NV5A4H7LK7CRP 30 chr EAM
1435 Mainsail: XVLXSV repeat
1439 Mainsail: XVPNLO53VN35MMINIKG7ZWK4SQWU5G 30 chr EAM
1500 Mainsail: XVPNLO repeat
1502 Mainsail: XV77ZD6UXLCMYMNF2NV5A4H7LK7CRP 30 chr EAM
1504 Mainsail: XVLXSV repeat
1526 Mainsail: XVAM7OQG6V75JS2XFI2CCKLSDEH2TD 30 chr EAM

1530 Mainsail: XVH75KIQ6EYV3PD3NCXJTJ3OBHJDFM 30 chr EAM
1532 Mainsail: XVAM7O repeat
1534 Mainsail: XVPNLO repeat
1536 Mainsail: XV77ZD repeat
1827 Mainsail: VGW 27 QD Skyking DNA
1945 Mainsail: XVMUPMPR66PQAMP3JWQJQTRJGKFQBF 30 chr EAM
2001 Mainsail: XVXMGG5ITKSIAQUDY6L5TNEVTZCIKD 30 chr EAM

LOGS SECTION

Code	Freq	Date	UTC	Day	Remarks	Mode	Ctrb
---	3614	6-4-2014	1909	Sun	VVV DS7 DE WT8 QRU. VVV DS7 DE WT8 QRU 6124 6124 SK SK TT	CW	(JPL-Sib)
---	6802	30-4-2014	1726	Wed	i.p. 80045 74294 92387 15150 36910 89375 37820 72591 83862	CW	(F5JBR)
CZE	18271.5	1-4-2014	1054	Tue	OLZ85 Czech diplo. #EA#BEGINDIR# 4vXhTt 1 1.4.2014_10:51:21 #ENDDIR# #QR#CR#BE Standby for the following file from OLZ85 W018U-C01b.WCF 1654PK #QR#CR	Pactor III	(PH)
CZE	18321.5	11-4-2014	0844	Fri	Czech embassy Beijing msg to MFA Prague "ZÚ Peking"	Pactor-III	(BCI)
DP01	10250	10-4-2014	1740	Thu	Russian Intel, new XP mode	MFSK	(Ava- re/Danix)
DP01	10250	11-4-2014	0816	Fri	Russian intel, new XP mode	DSB	(Avare)
DP01	10250	11-4-2014	0836	Fri	Russian intel, new XP mode	DSB	(AB/Avare)
DP01	10250	11-4-2014	1011	Fri	Russian intel, new XP mode	DSB	(AB/Avare)
DP01	10255	11-4-2014	0825	Fri	Russian intel, new XP mode	DSB	(Avare)
DP01	10255	11-4-2014	0840	Fri	Russian intel, new XP mode	DSB	(AB/Avare)
DP01	10255	11-4-2014	1008	Fri	Russian intel, new XP mode	DSB	(AB/Avare)
DP01	10256	10-4-2014	1745	Thu	Russian Intel, new XP mode	MFSK	(Ava- re/Danix)
DPRK	21318.5	31-3-2014	0955		North Korean embassy Guinea-Bissau	DPRK-ARQ 600/600	(IARUMS)
DPRK	21323.5	20-3-2014	0457		North Korean embassy New Delhi	DPRK-ARQ 600/600	(IARUMS)
E06	3744	9-4-2014	2020	Wed	376 0	USB	(HFD)
E06	4482	9-4-2014	1920	Wed	376 0	USB	(HFD)
E06	5186	3-4-2014	2030	Thu	891 237 20 06132 ... 04884 237 20 00000	USB	(Spec)
E06	5186	17-4-2014	2030	Thu	981 237 20 06132 75514 79681 ... 49870 63962 04884 237 20 00000	AM	(RWO)
E06	5197	4-4-2014	2055	Fri	i.p. 56789 repeated 4x then off. Male voice	USB	(Avare)
E06	5197	4-4-2014	2130	Fri	634 128 20 37839 35787 98273 ... 60491 75924 04594 128 20 00000	USB	(Avare)
E06	5197	4-4-2014	2130	Fri	634 128 20 37839 ... 04594 128 20 00000	USB	(Spec)
E06	10423	23-4-2014	1210	Wed	i.p. ...48790 72773 72044 ... 31118 50731 58495 826 71 00000	AM	(Avare)
E07	7526	3-4-2014	2030	Thu	358 0	AM	(HFD)
E07	9208	21-4-2014	1940	Mon	172 1 4132 63 26730 16506 30627 ... 88307 67877 26335 000 000	AM	(AB)
E07	9208	28-4-2014	1940	Mon	172 1 7859 77 40162 84481 32210 ... 38186 99393 70552 000 000	AM	(RWO)
E07	9208	30-4-2014	1940	Wed	172 1 7859 77 40162 84481 32210 ... 38186 99393 70552 000 000	AM	(JE-MB)
E07	9387	3-4-2014	2010	Thu	358 0	AM	(HFD)
E07	10708	2-4-2014	1920	Wed	172 0	AM	(HFD)
E07	10708	7-4-2014	1900	Mon	172 1 920 71 93634 18394 68437 ... 06690 73673 11539 000	USB	(AB)
E07	10708	14-4-2014	1920	Mon	172 1 180 48 73107 42572 88411 ... 95034 50222 38217 000 000	AM	(RWO)
E07	10708	21-4-2014	1920	Mon	172 1 4132 63 26730 16506 30627 ... 88307 67877 26335 000 000	AM	(AB)
E07	10708	30-4-2014	1920	Wed	172 1 7859 77 40162 84481 32210 ... 38186 99393 70552 000 000	AM	(JE-MB)
E07	12103	2-4-2014	1740	Wed	641 1	AM	(HFD)
E07	12103	13-4-2014	1740	Sun	641 641 641 1 9358 118 9358 118 82368 33317 06436 ... 07188 64936 12067 000 000	AM	(AB)
E07	12103	23-4-2014	1740	Wed	641 1 657 105 64331 25451 75221 ... 16847 96801 02645 000 000	AM	(JE-HOL)
E07	12108	2-4-2014	1900	Wed	172 0	AM	(HFD)
E07	12108	14-4-2014	1900	Mon	172 1 180 48 73107 42572 88411 ... 95034 50222 38217 000 000	AM	(Avare)
E07	12108	21-4-2014	1900	Mon	172 1 4132 63 26730 16506 30627 ... 88307 67877 26335 000 000	AM	(AB)
E07	12108	30-4-2014	1900	Wed	172 1 7859 77 40162 84481 32210 ... 38186 99393 70552 000 000	AM	(JE-MB)
E07	13403	2-4-2014	1720	Wed	641 1	AM	(HFD)
E07	13403	6-4-2014	1720	Sun	641 1 392 114 03646 96465 84605 ... 44213 35840 45277 000 000	USB	(Avare)
E07	13403	13-4-2014	1720	Sun	641 641 641 1 9358 118 9358 118 82368 33317 06436 ... 07188 64936 12067 000 000	AM	(AB/Avare)
E07	13403	23-4-2014	1720	Wed	641 1 657 105 64331 25451 75221 ... 16847 96801 02645 000 000	AM	(JE-HOL)

Code	Freq	Date	UTC	Day	Remarks	Mode	Ctrb
E07	14603	2-4-2014	1700	Wed	641 1 392/14	AM	(HFD)
E07	14603	6-4-2014	1700	Sun	641 1 392 114 03646 96465 84605 ... 44213 35840 45277 000 000	USB	(Avare)
E07	14603	13-4-2014	1700	Sun	641 641 641 1 9358 118 9358 118 82368 33317 06436 ... 07188 64936 12067 000 000	AM	(AB/RWO)
E07	14603	23-4-2014	1700	Wed	641 1 657 105 64331 25451 75221 ... 16847 96801 02645 000 000	AM	(JE-HOL/Avare)
E07a	5773	9-4-2014	2000	Wed	147 1 39299 192 77 94583 35346 21623 ... 25568 98134 31933 000 000	USB	(AB)
E07a	5773	9-4-2014	2040	Wed	147 1 39299 192 77 94583 35346 21623 ... 25568 98134 31933 000 000	USB	(AB)
E07a	5773	16-4-2014	2040	Wed	147 147 147 1 62421 7325 83 7325 83 36768 76626 55799 ... 52753 21654 07014 000 000	USB	(RWO)
E07a	7437	17-4-2014	0430	Thu	411 1 62421 7325 83 36768 76626 55799 ... 52753 21654 07014 000 000	USB	(RWO)
E07a	7473	2-4-2014	2020	Wed	147 0	USB	(HFD)
E07a	7473	2-4-2014	2020	Wed	147 147 147 000	USB	(Spec)
E07a	7473	9-4-2014	2020	Wed	147 1 39299 192 77 94583 35346 21623 ... 25568 98134 31933 000 000	USB	(AB)
E07a	7473	9-4-2014	2020	Wed	147 1 39299 192 77 94583 35346 21623 ... 25568 98134 31933 000 000	USB	(AB)
E07a	8173	2-4-2014	2000	Wed	147 0	USB	(HFD)
E07a	8173	2-4-2014	2000	Wed	147 147 147 000	USB	(Spec)
E07a	8173	9-4-2014	2000	Wed	147 1 39299 192 77 94583 35346 21623 ... 25568 98134 31933 000 000	USB	(AB)
E07a	8173	9-4-2014	2000	Wed	147 1 39299 192 77 94583 35346 21623 ... 25568 98134 31933 000 000	USB	(AB)
E07a	8173	30-4-2014	2000	Wed	147 147 147 000	USB	(JE-MB)
E07a	11074	4-4-2014	1530	Fri	102 0	USB	(HFD)
E07a	11074	11-4-2014	1530	Fri	102 1 67572 946 65 946 65 45872 41780 23920 ... 85479 71312 13955 000 000	USB	(AB)
E07a	12174	4-4-2014	1510	Fri	102 0	USB	(HFD)
E07a	12174	11-4-2014	1510	Fri	102 1 67572 946 65 946 65 45872 41780 23920 ... 85479 71312 13955 000 000	USB	(AB)
E07a	12218	12-4-2014	0800	Sat	244 244 244 1 67572 946 65 946 65 45872 41780 23920 ... 85479 71312 13955 000 000	USB	(AB)
E07a	12218	19-4-2014	0800	Sat	244 244 244 000	USB	(AB)
E07a	12218	19-4-2014	0800	Sat	244 0	USB	(HFD)
E07a	13418	12-4-2014	0820	Sat	244 244 244 1 67572 946 65 946 65 45872 41780 23920 ... 85479 71312 13955 000 000	USB	(AB)
E07a	13418	19-4-2014	0820	Sat	244 0	USB	(HFD)
E07a	13420	19-4-2014	0820	Sat	244 244 244 000	USB	(AB)
E07a	14418	12-4-2014	0840	Sat	244 244 244 1 67572 946 65 946 65 45872 41780 23920 ... 85479 71312 13955 000 000	USB	(AB)
E11	4909	10-4-2014	0900	Thu	248/00	USB	(KK2)
E11	4909	12-4-2014	0900	Sat	248/00	USB	(AB)
E11	4909	12-4-2014	1445	Sat	287/00	USB	(AB)
E11	6304	14-4-2014	0450	Mon	416/00	USB	(HFD)
E11	6304	14-4-2014	0452	Mon	416/00	AM	(RWO)
E11	7850	16-4-2014	0315	Wed	253/00	USB	(RWO)
E11	7850	24-4-2014	0315	Thu	253/00	USB	(HFD)
E11	8186	13-4-2014	2005	Sun	369/00	USB	(HFD)
E11	8186	26-4-2014	2005	Sat	369/00	USB	(Danix)
E11	8803	9-4-2014	0930	Wed	270/00	USB	(HFD)
E11	8803	10-4-2014	0930	Thu	270/00	USB	(HFD)
E11	9371	10-4-2014	1730	Thu	416/00	USB	(AB)
E11	9399	21-4-2014	0900	Mon	534/00	USB	(AB)
E11	10221	11-4-2014	0710	Fri	633/00	USB	(AB)
E11	10690	11-4-2014	0830	Fri	649/00	USB	(AB)
E11	12229	2-4-2014	1300	Wed	133/00	USB	(AAI)
E11	14575	3-4-2014	0745	Thu	335/00	USB	(Spec)
E11	15915	10-4-2014	1155	Thu	718/00	USB	(AB)
E11	15915	18-4-2014	1545	Fri	348/00	USB	(AB)
E11a	5194	11-4-2014	1710	Fri	955/22 Attention 98720 50353 19604 ... 29322 46422 97888 Attention, rpt msg, out	USB	(AB)
E11a	5194	14-4-2014	1710	Mon	953/30 Attention 53040 35465 39401 ... 88565 96851 00970 attention, rpt msg, out	USB	(AB/RWO)
E11a	5194	25-4-2014	1710	Fri	953/21 Attention 23971 76759 07084 ... 01103 17527 24858	USB	(JE-MB)
E11a	7377	11-4-2014	2000	Fri	576/33 Attention 40555 06734 87193 ... 32065 32739 76020 Attention, rpt msg, out	USB	(RWO)
E11a	8186	5-4-2014	2005	Sat	365/37 70354	USB	(HFD)
E11a	9371	24-4-2014	1730	Thu	415/33 Attention 86442 36832 57400 ... 46341 23048 31939 out WinXp	USB	(Avare)

Code	Freq	Date	UTC	Day	Remarks	Mode	Ctrb
					shutdown		
E11a	10213	15-4-2014	0530	Tue	980/10 Attention 99530 29857 36644 80556 81069 67044 23465 39690 52758 88003 attention, rpt msg, out	USB	(Avare)
E11a	10213	15-4-2014	0530	Tue	980/10 Attention 99530 29857 36644 80556 81069 67044 23465 39690 52758 88003 Attention, rpt msg, out	USB	(RWO)
E11a	10800	17-4-2014	0645	Thu	511/37 Attention 63935 57300 19523 ... 76672 42884 12529 Attention, rpt msg, out	USB	(RWO)
E11a	13375	11-4-2014	1110	Fri	954/38 Attention 63894 05954 51332 ... 74918 17483 96958 Attention, rpt msg, out	USB	(AB)
E11a	13375	12-4-2014	1400	Sat	981/10 Attention 37504 87124 17251 43194 87456 65882 01680 53935 27989 60064 Attention, rpt msg, out	USB	(AB)
E11a	13375	14-4-2014	1110	Mon	950/40 Attention 93996 53046 17307 ... 18283 16296 84330 Attention, rpt msg, out	USB	(AB)
E11a	13455	12-4-2014	1810	Sat	982/10 Attention 21884 97327 77602 16096 95706 74056 50436 32623 04644 99702 Attention, rpt msg, out	USB	(AB)
E11a	13455	15-4-2014	1810	Tue	982/10 Attention 03097 08359 58942 38135 13163 59145 44002 10294 45479 58515 Attention, rpt msg, out	USB	(AB/RWO)
E11a	13455	19-4-2014	1810	Sat	988/10 Attention 71019 78158 54523 77624 19818 39654 24492 44828 49275 29681 Attention, rpt msg, out	USB	(AB)
E11a	15915	13-4-2014	1540	Sun	224/36 Attention 95627 68359 49583 ... 32130 04002 66274 Attention, rpt msg, out	USB	(AB)
E17z	12930	17-4-2014	0810	Thu	674 820 5 42465 46683 90715 42738 80515 820 5 00000	USB	(AB/RWO)
E17z	12931	3-4-2014	0810	Thu	674 Call Heard Only	USB	(Spec)
E17z	14260	3-4-2014	0800	Thu	674 Call Heard Only	USB	(Spec)
EGY	18241.7	1-4-2014	0815	Tue	MFA Cairo clg KKVE embassy Bamako	Sitor-A 100/170	(PH)
EGY	18472.7	1-4-2014	0820	Tue	MFA Cairo clg TVXX embassy Sanaa	Sitor-A 100/170	(PH)
EGY	19101.7	3-4-2014	0852	Thu	MFA Cairo clg 11103 embassy Bern	Codan Chirp	(PH)
EGY	19653.7	1-4-2014	0940	Tue	Egyptian embassy Bamako clg SSTD MFA Cairo followed by encoded urgent telex	Sitor-A 100/170	(PH)
EGY	20056.7	1-4-2014	1003	Tue	MFA Cairo clg KKXO embassy Abidjan	Sitor-A 100/170	(PH)
EGY	20126.7	3-4-2014	0850	Thu	MFA Cairo clg KKXE embassy Luanda	Sitor 100/170	(PH)
G06	4569	7-4-2014	1700	Mon	564 123 052 12375 71187 86308 ... 77347 38651 78312 123 052 00000	AM	(JE-HOL)
G06	4569	14-4-2014	1700	Mon	564 123 052 12375 71187 86308 ... 77347 38651 78312 123 052 00000	USB	(RWO)
G06	5442	25-4-2014	1930	Fri	947 532 20 06132 75514 79681 ... 49870 63962 04884 532 20 00000	USB	(RWO)
G06	6982	4-4-2014	2000	Fri	167 0	USB	(HFD)
G06	9226	4-4-2014	1900	Fri	167 0	USB	(HFD)
G06	9226	18-4-2014	1900	Fri	167 167 167 00000	AM	(Avare)
HM01	5855	2-4-2014	1003	Wed	82843 28747 10537 80542 73488 83762 //9155	AM/RDFT	(DSch)
HM01	5855	4-4-2014	1037	Fri	80380 17431 43570 80544 15281 83764 not //9151	AM/RDFT	(DSch)
HM01	5855	6-4-2014	1040	Sun	80382 17432 43572 80546 15283 83766 NOT //9155 kHz	AM/RDFT	(DSch)
HM01	5855	7-4-2014	1048	Mon	80382 17432 43572 80546 15283 83766 NOT //9155 kHz!!	AM/RDFT	(DSch)
HM01	5855	11-4-2014	1002	Fri	80387 17437 43577 10322 15288 88683. Not in sync with 9155 kHz	AM/RDFT	(DSch)
HM01	5855	13-4-2014	1044	Sun	14121 17438 43578 10323 00441 88684	AM/RDFT	(DSch)
HM01	5855	20-4-2014	1047	Sun	14126 36544 66405 10329 00446 44641. Not in sync with 9155 kHz	AM/RDFT	(DSch)
HM01	5855	21-4-2014	1002	Mon	14126 36544 66405 10329 00446 44641. Not in sync with 9155 kHz	AM/RDFT	(DSch)
HM01	5857	16-4-2014	1000	Wed	14124 36542 66403 10327 00444 88688. Not in sync with 9155 kHz	AM/RDFT	(DSch)
HM01	5859.8	14-4-2014	0516	Mon	14122 36541 66401 10325 00442 88686	AM/RDFT	(DSch)
HM01	5860	21-4-2014	0516	Mon	14126 36544 66405 10329 00446 44641	AM/RDFT	(DSch)
HM01	5860	23-4-2014	0500	Wed	88660 36545 66406 83331 00447 44641	AM/RDFT	(DSch/SFNY)
HM01	5860	23-4-2014	1000	Wed	88660 36545 66406 83331 00447 44641 //9155 kHz	AM/RDFT	(DSch)
HM01	5860	27-4-2014	0500	Sun	88663 36548 66409 83333 48721 44644	AM/RDFT	(DSch/SFNY)
HM01	5860.1	9-4-2014	0546	Wed	80385 174.. 35.. 10... 15286 8868. Very weak & QRM. Probably moved up to get away from bcst stn	AM/RDFT	(DSch)
HM01	5860.4	14-4-2014	0959	Mon	14122 36541 66401 10325 00442 88686	AM/RDFT	(DSch)
HM01	9065	6-4-2014	0800	Sun	80382 17432 43572 80546 15283 83766	AM/RDFT	(Spec)
HM01	9065	11-4-2014	0805	Fri	80387 17437 43577 10322 15288 88683 80387 etc 110805	AM/RDFT	(DSch)
HM01	9065	21-4-2014	0845	Mon	14126 36544 66405 10329 00446 44641	AM/RDFT	(DSch)
HM01	9065	23-4-2014	0800	Wed	88660 36545 66406 83331 00447 44621	AM/RDFT	(07c)
HM01	9151	4-4-2014	1037	Fri	80380 17431 43570 80544 15281 83764 not //5855	AM/RDFT	(DSch)
HM01	9155	2-4-2014	1003	Wed	82843 28747 10537 80542 73488 83762 //5855	AM/RDFT	(DSch)
HM01	9155	6-4-2014	1040	Sun	80382 17432 43572 80546 15283 83766 NOT //5855 kHz	AM/RDFT	(DSch)

Code	Freq	Date	UTC	Day	Remarks	Mode	Ctrb
HM01	9155	7-4-2014	1048	Mon	80382 17432 43572 80546 15283 83766 NOT //5855 kHz!!	AM/RDFT	(DSch)
HM01	9155	11-4-2014	1004	Fri	Carrier but no audio. Audio back at 1017z. 80387 17437 43577 10322 15288 88683. Not in sync with 5855 kHz	AM/RDFT	(DSch)
HM01	9155	13-4-2014	1050	Sun	Strong carrier but very weak audio. Shut down	AM/RDFT	(DSch)
HM01	9155	14-4-2014	1001	Mon	14122 36541 66401 10325 00442 88686. Not in sync with 5860.4 kHz	AM/RDFT	(DSch)
HM01	9155	16-4-2014	1000	Wed	14124 36542 66403 10327 00444 88688. Not in sync with 5857 kHz	AM/RDFT	(DSch)
HM01	9155	20-4-2014	1047	Sun	14126 36544 66405 10329 00446 44641. Not in sync with 5855 kHz	AM/RDFT	(DSch)
HM01	9155	21-4-2014	1003	Mon	14126 36544 66405 10329 00446 44641. Not in sync with 5855 kHz. Appears be one group ahead.	AM/RDFT	(DSch)
HM01	9155	23-4-2014	1000	Wed	88660 36545 66406 83331 00447 44641 //5860 kHz	AM/RDFT	(DSch)
HM01	9240	2-4-2014	0904	Wed	82843 28747 10537 80542 73488 83762	AM/RDFT	(DSch)
HM01	9240	6-4-2014	0900	Sun	80382 17432 43572 80546 15283 83766	AM/RDFT	(Spec)
HM01	9240	16-4-2014	0944	Wed	14124 36542 66403 10327 00444 88688	AM/RDFT	(DSch)
HM01	9240	20-4-2014	0859	Sun	14126 36544 66405 10329 00446 44641	AM/RDFT	(DSch)
HM01	9240	23-4-2014	0943	Wed	88660 36545 66406 83331 00447 44641	AM/RDFT	(DSch)
HM01	9325	23-4-2014	0738	Wed	88660 36545 66406 83331 00447 44641	AM/RDFT	(DSch)
HM01	9330	6-4-2014	0700	Sun	80382 17432 43572 80546 15283 83766	AM/RDFT	(Spec)
HM01	9330	9-4-2014	0659	Wed	80385 17435 43575 10321 15286 88681	AM/RDFT	(DSch)
HM01	9330	16-4-2014	0736	Wed	14124 36542 66403 10327 00444 88688	AM/RDFT	(DSch)
HM01	10345	11-4-2014	0603	Fri	80387 17437 43577 10322 15288 88683	AM/RDFT	(DSch)
HM01	10345	18-4-2014	0600	Fri	14126 36544 66405 10329 00446 44641	AM/RDFT	(SFNY)
HM01	10345	20-4-2014	0601	Sun	14126 36544 66405 10329 00446 44641	AM/RDFT	(DSch)
HM01	10345	21-4-2014	0604	Mon	14126 36544 66405 10329 00446 44641	AM/RDFT	(DSch)
HM01	10345	23-4-2014	0559	Wed	88660 36545 66406 83331 00447 44641. Off & on. Stopped 0555 UTC and starts again at 0559 UTC	AM/RDFT	(DSch)
HM01	10345	25-4-2014	0600	Fri	83332 48721 44643 and off.	AM/RDFT	(DSch/SFNY)
HM01	10345	26-4-2014	0600	Sat	88663 36548 66409 83333 48721 44644	AM/RDFT	(SFNY)
HM01	10345	30-4-2014	0600	Wed	88660 36545 66406 83331 00447 44641	AM/RDFT	(SFNY)
HM01	10715	2-4-2014	2200	Wed	82844 28748 10538 80543 15281 83763	AM/RDFT	(DSch)
HM01	10715	4-4-2014	2200	Fri	Starts 80381 then stops at 2158. Starts again 80381 etc at 2200	AM/RDFT	(DSch)
HM01	10715	4-4-2014	2200	Fri	80381 17431 43571 80545 15282 83765	AM/RDFT	(Spec)
HM01	10715	6-4-2014	2200	Sun	80383 17433 43573 80547 15284 83767	AM/RDFT	(DSch)
HM01	10715	7-4-2014	2200	Mon	80384 17434 43574 80548 15285 88681	AM/RDFT	(DSch/Dan)
HM01	10715	9-4-2014	2200	Wed	80386 17436 43576 10321 15287 88682	AM/RDFT	(DSch/Dan)
HM01	10715	11-4-2014	2159	Fri	14121 17438 43578 10323 00441 88684	AM/RDFT	(DSch)
HM01	10715	13-4-2014	2205	Sun	14122 36541 66401 10325 00442 88686	AM/RDFT	(DSch)
HM01	10715	14-4-2014	2200	Mon	14123 36541 66402 10326 00443 88687	AM/RDFT	(DSch/steve)
HM01	10715	20-4-2014	2150	Sun	141 stopped and restarted 14126 36544 66405 10329 00446 44641	AM/RDFT	(DSch)
HM01	10715	21-4-2014	2212	Mon	14126 36544 66405 10329 00446 44641	AM/RDFT	(DSch/Dan)
HM01	10715	23-4-2014	2200	Wed	88661 36546 66407 83331 00448 44642	AM/RDFT	(DSch/Dan)
HM01	10715	25-4-2014	2159	Fri	88663 36548 66409 83333 48721 44644	AM/RDFT	(DSch)
HM01	10715	27-4-2014	2200	Sun	88660 36545 66406 83331 00447 44641. Repeat of 2200 sked on 22-4 and repeat of all skeds on 23-4 up to 1600 sked when groups changed.	AM/RDFT	(DSch/Dan)
HM01	10715	30-4-2014	2204	Wed	88668 36546 66407 83332 00448 44642	AM/RDFT	(DSch)
HM01	11345	10-4-2014	1558	Thu	80386 17436 43576 10321 15287 88682	AM/RDFT	(DSch)
HM01	11435	2-4-2014	1645	Wed	82843 28747 10537 80542 73488 83762	AM/RDFT	(DSch)
HM01	11435	4-4-2014	1600	Fri	80380 17431 43570 80544 15281 83764	AM/RDFT	(DSch)
HM01	11435	5-4-2014	1606	Sat	80381 17431 43571 80545 15282 83765	AM/RDFT	(DSch)
HM01	11435	8-4-2014	1618	Tue	80384 17434 43574 80548 15285 88681 Overlapping sequence of grps	AM/RDFT	(DSch)
HM01	11435	9-4-2014	1600	Wed	80385 17435 43575 10321 15286 88681	AM/RDFT	(DSch)
HM01	11435	11-4-2014	1559	Fri	80387 17437 43577 10322 15288 88683	AM/RDFT	(DSch)
HM01	11435	12-4-2014	1600	Sat	14121 17438 43578 10323 00441 88684	AM/RDFT	(DSch)
HM01	11435	12-4-2014	1701	Sat	Still i.p. at 1703z. Should be on 11530 kHz.	AM/RDFT	(DSch)
HM01	11435	13-4-2014	1600	Sun	14121 17438 43578 10323 00441 88684	AM/RDFT	(DSch)
HM01	11435	14-4-2014	1606	Mon	14122 36541 66401 10325 00442 88686. Sig cuts in and out	AM/RDFT	(DSch)
HM01	11435	15-4-2014	1600	Tue	14123 36541 66402 10326 00443 88687	AM/RDFT	(DSch)
HM01	11435	16-4-2014	1631	Wed	14124 36542 66403 10327 00444 88688. Tape messed up	AM/RDFT	(DSch)
HM01	11435	17-4-2014	1559	Thu	141 stopped and starts again 14125 36543 66404 10328 00445 88689	AM/RDFT	(DSch)
HM01	11435	19-4-2014	1558	Sat	14126 36544 66405 10329 00446 44641	AM/RDFT	(DSch)
HM01	11435	20-4-2014	1601	Sun	14126 36544 66405 10329 00446 44641	AM/RDFT	(DSch)
HM01	11435	21-4-2014	1559	Mon	14126 36544 66405 10329 00446 44641. Groups overlapping	AM/RDFT	(DSch)
HM01	11435	22-4-2014	1607	Tue	14127 36545 66406 83331 00447 44641	AM/RDFT	(DSch/07c)

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HM01	11435	23-4-2014	1559	Wed	88661 36546 66407 83331 00448 44642	AM/RDFT	(DSch)
HM01	11435	25-4-2014	1600	Fri	88663 36548 66409 83333 48721 44644	AM/RDFT	(DSch)
HM01	11435	26-4-2014	1559	Sat	88663 36548 66409 83333 48721 44644	AM/RDFT	(DSch)
HM01	11435	27-4-2014	1559	Sun	88663 36548 66409 83333 48721 44644	AM/RDFT	(DSch)
HM01	11435	28-4-2014	1635	Mon	88660 36545 66406 83331 00447 44641	AM/RDFT	(DSch)
HM01	11435	29-4-2014	1628	Tue	88660 36545 66406 83331 00447 44641	AM/RDFT	(DSch)
HM01	11435	30-4-2014	1639	Wed	88660 36545 66406 83331 00447 44641	AM/RDFT	(DSch)
HM01	11530	1-4-2014	1732	Tue	82842 28746 10536 80541 73487 83761	AM/RDFT	(DSch)
HM01	11530	2-4-2014	1700	Wed	82843 28747 10537 80542 73488 83762	AM/RDFT	(DSch)
HM01	11530	3-4-2014	1709	Thu	82844 28748 10538 80543 15281 83763	AM/RDFT	(DSch)
HM01	11530	4-4-2014	1701	Fri	80380 17431 43570 80544 15281 83764	AM/RDFT	(DSch)
HM01	11530	5-4-2014	1700	Sat	80381 17431 43571 80545 15282 83765	AM/RDFT	(DSch)
HM01	11530	6-4-2014	1700	Sun	80382 17432 43572 80546 15283 83766	AM/RDFT	(DSch)
HM01	11530	7-4-2014	1701	Mon	80383 17433 43473 80547 15284 83767	AM/RDFT	(DSch)
HM01	11530	8-4-2014	1700	Tue	80384 17434 43574 80548 15285 88681	AM/RDFT	(DSch)
HM01	11530	9-4-2014	1700	Wed	80385 17435 43575 10321 15286 88681	AM/RDFT	(DSch)
HM01	11530	10-4-2014	1700	Thu	80386 17436 43576 10321 15287 88682	AM/RDFT	(DSch)
HM01	11530	11-4-2014	1659	Fri	80387 17437 43577 10322 15288 88683	AM/RDFT	(DSch)
HM01	11530	12-4-2014	1703	Sat	Moved from 11435 kHz, stops briefly then continues at 1704z with 14121 17438 43578 etc	AM/RDFT	(DSch)
HM01	11530	13-4-2014	1659	Sun	14121 17438 43578 10323 00441 88684	AM/RDFT	(DSch)
HM01	11530	14-4-2014	1659	Mon	14122 36541 66401 10325 00442 88686	AM/RDFT	(DSch)
HM01	11530	15-4-2014	1700	Tue	14123 36541 66402 10326 00443 88687	AM/RDFT	(DSch)
HM01	11530	16-4-2014	1700	Wed	14124 36542 66403 10327 00444 88688	AM/RDFT	(DSch)
HM01	11530	17-4-2014	1659	Thu	14125 stopped and starts again 14125 36543 66404 10328 00445 88689	AM/RDFT	(DSch)
HM01	11530	19-4-2014	1659	Sat	14126 36544 66405 10329 00446 44641	AM/RDFT	(DSch)
HM01	11530	20-4-2014	1658	Sun	14126 36544 66405 10329 00446 44641	AM/RDFT	(DSch)
HM01	11530	21-4-2014	1702	Mon	14126 36544 66405 10329 00446 44641	AM/RDFT	(DSch)
HM01	11530	22-4-2014	1700	Tue	14127 36545 66406 83331 00447 44641	AM/RDFT	(DSch)
HM01	11530	22-4-2014	1800	Tue	Should be on 11635 kHz. 14127 etc. Off at 1802 UTC	AM/RDFT	(DSch)
HM01	11530	24-4-2014	1700	Thu	88662 36547 66408 83332 48721 44643	AM/RDFT	(DSch)
HM01	11530	25-4-2014	1703	Fri	88663 36548 66409 83333 48721 44644	AM/RDFT	(DSch)
HM01	11530	26-4-2014	1700	Sat	88663 36548 66409 83333 48721 44644	AM/RDFT	(DSch)
HM01	11530	27-4-2014	1659	Sun	88663 36548 66409 83333 48721 44644	AM/RDFT	(DSch)
HM01	11530	28-4-2014	1702	Mon	88660 36545 66406 83331 00447 44641	AM/RDFT	(DSch)
HM01	11530	29-4-2014	1659	Tue	88660 36545 66406 83331 00447 44641	AM/RDFT	(DSch)
HM01	11530	30-4-2014	1704	Wed	88660 36545 66406 83331 00447 44641	AM/RDFT	(DSch)
HM01	11635	1-4-2014	1800	Tue	82842 28746 10536 80541 73487 83761	AM/RDFT	(DSch)
HM01	11635	2-4-2014	1800	Wed	82843 28747 10537 80542 73488 83762	AM/RDFT	(DSch)
HM01	11635	2-4-2014	2143	Wed	82844 28748 10538 80543 15281 83763	AM/RDFT	(DSch)
HM01	11635	3-4-2014	1758	Thu	82844 28748 10538 80543 15281 83763	AM/RDFT	(DSch)
HM01	11635	4-4-2014	1800	Fri	80380 17431 43570 80544 15281 83764	AM/RDFT	(DSch)
HM01	11635	4-4-2014	2100	Fri	80381 17431 43571 80545 15282 83765	AM/RDFT	(DSch)
HM01	11635	4-4-2014	2100	Fri	80381 17431 43571 80545 15282 83765 HM01 Mixing With VOK	AM/RDFT	(Spec)
HM01	11635	5-4-2014	1045	Sat	80381 17431 43571 80545 15282 83765 //12180 kHz	AM/RDFT	(DSch)
HM01	11635	5-4-2014	1800	Sat	80381 17431 43571 80545 15282 83765	AM/RDFT	(DSch)
HM01	11635	6-4-2014	1800	Sun	80382 17432 43572 80546 15283 83766	AM/RDFT	(DSch)
HM01	11635	6-4-2014	2109	Sun	Late start 80383 17433 43573 80547 15284 83767	AM/RDFT	(DSch)
HM01	11635	7-4-2014	1800	Mon	80383 17433 43473 80547 15284 83767	AM/RDFT	(DSch)
HM01	11635	7-4-2014	2119	Mon	80384 17434 43574 80548 15285 88681	AM/RDFT	(DSch)
HM01	11635	8-4-2014	0805	Tue	i.p. 15285 88681. Mixing with S06s	AM/RDFT	(Avare)
HM01	11635	8-4-2014	0838	Tue	80384 17434 43574 80548 15285 88681	AM/RDFT	(DSch)
HM01	11635	8-4-2014	1000	Tue	80380 17431 43570 80544 15281 83764 Repaet of 4 Apr, 1000, 1600, 1700 & 1800 grps.	AM/RDFT	(DSch)
HM01	11635	9-4-2014	1803	Wed	80385 17435 43575 10321 15286 88681	AM/RDFT	(DSch)
HM01	11635	9-4-2014	2100	Wed	80386 17436 43576 10321 15287 88682	AM/RDFT	(DSch)
HM01	11635	10-4-2014	1001	Thu	80386 17436 43576 10321 15287 88682. Not in sync with 12180 kHz	AM/RDFT	(DSch)
HM01	11635	10-4-2014	1800	Thu	80386 17436 43576 10321 15287 88682	AM/RDFT	(DSch)
HM01	11635	11-4-2014	1759	Fri	80387 17437 43577 10322 15288 88683	AM/RDFT	(DSch)
HM01	11635	11-4-2014	2102	Fri	14121 17438 43578 10323 00441 88684	AM/RDFT	(DSch)
HM01	11635	12-4-2014	1006	Sat	14121 17438 43578 10323 00441 88684 //12180 kHz	AM/RDFT	(DSch)
HM01	11635	12-4-2014	1800	Sat	14121 17438 43578 10323 00441 88684	AM/RDFT	(DSch)

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HM01	11635	13-4-2014	1800	Sun	14121 17438 43578 10323 00441 88684	AM/RDFT	(DSch)
HM01	11635	13-4-2014	2056	Sun	Started 14121 then off. Starts again with 14121 etc	AM/RDFT	(DSch)
HM01	11635	14-4-2014	1800	Mon	14122 36541 66401 10325 00442 88686	AM/RDFT	(DSch)
HM01	11635	14-4-2014	2100	Mon	14123 36541 66402 10326 00443 88687	AM/RDFT	(DSch)
HM01	11635	15-4-2014	1000	Tue	14123 36541 66402 10326 00443 88687. Not in sync with 12180 kHz	AM/RDFT	(DSch)
HM01	11635	15-4-2014	1800	Tue	14123 36541 66402 10326 00443 88687	AM/RDFT	(DSch)
HM01	11635	16-4-2014	1804	Wed	14124 36542 66403 10327 00444 88688	AM/RDFT	(DSch)
HM01	11635	16-4-2014	2101	Wed	14125 36543 66404 10328 00445 88689	AM/RDFT	(DSch)
HM01	11635	17-4-2014	0759	Thu	14125 36543 66404 10328 00445 88689	AM/RDFT	(kc2ttk)
HM01	11635	17-4-2014	1043	Thu	14125 36543 66404 10328 00445 88689. Not in sync with 12180 kHz	AM/RDFT	(DSch)
HM01	11635	17-4-2014	1757	Thu	141 stopped and starts again 14125 36543 66404 10328 00445 88689	AM/RDFT	(DSch)
HM01	11635	19-4-2014	0759	Sat	14126 36544 66405 10329 00446 44641	AM/RDFT	(DSch)
HM01	11635	19-4-2014	1758	Sat	Starts 14126 then stops. Starts again 14126 36544 66405 10329 00446 44641	AM/RDFT	(DSch)
HM01	11635	20-4-2014	1756	Sun	14126 36544 66405 10329 00446 44641	AM/RDFT	(DSch)
HM01	11635	20-4-2014	2056	Sun	14126 36544 66405 10329 00446 44641	AM/RDFT	(DSch)
HM01	11635	21-4-2014	1818	Mon	14126 36544 66405 10329 00446 44641	AM/RDFT	(DSch)
HM01	11635	21-4-2014	2105	Mon	14126 36544 66405 10329 00446 44641	AM/RDFT	(DSch)
HM01	11635	22-4-2014	0843	Tue	14126 36544 66405 10329 00446 44641	AM/RDFT	(DSch)
HM01	11635	22-4-2014	1803	Tue	Switched from 11530 kHz. 14127 36545 66406 83331 00447 44641	AM/RDFT	(DSch)
HM01	11635	23-4-2014	2101	Wed	88661 36546 66407 83331 00448 44642	AM/RDFT	(DSch)
HM01	11635	23-4-2014	2101	Wed	88661 36546 66407 83331 00448 44642	AM/RDFT	(DSch)
HM01	11635	24-4-2014	1759	Thu	88661 36546 66407 83331 00448 44642	AM/RDFT	(DSch)
HM01	11635	25-4-2014	1800	Fri	88663 36548 66409 83333 48721 44644	AM/RDFT	(DSch)
HM01	11635	25-4-2014	2113	Fri	88663 36548 66409 83333 48721 44644	AM/RDFT	(DSch)
HM01	11635	26-4-2014	0847	Sat	88663 36548 66409 83333 48721 44644	AM/RDFT	(DSch)
HM01	11635	26-4-2014	1759	Sat	88663 36548 66409 83333 48721 44644	AM/RDFT	(DSch)
HM01	11635	27-4-2014	1759	Sun	88663 36548 66409 83333 48721 44644	AM/RDFT	(DSch)
HM01	11635	28-4-2014	1807	Mon	88660 36545 66406 83331 00447 44641	AM/RDFT	(DSch)
HM01	11635	28-4-2014	2102	Mon	88660 36545 66406 83331 00447 44641	AM/RDFT	(DSch)
HM01	11635	29-4-2014	0826	Tue	in progress	AM/RDFT	(DAU)
HM01	11635	29-4-2014	1800	Tue	63382 86557 11874 16517 74852 40878. On/off at 1801, 1802, 1803. Back at 1804 UTC with 88660 36545 66406 83331 00447 44641	AM/RDFT	(DSch)
HM01	11635	30-4-2014	1840	Wed	88668 36546 66407 83332 00448 44642	AM/RDFT	(DSch)
HM01	11635	30-4-2014	2100	Wed	88668 36546 66407 83332 00448 44642	AM/RDFT	(DSch)
HM01	12120	8-4-2014	0932	Tue	80384 17434 43574 80548 15285 88681	AM/RDFT	(DSch)
HM01	12120	10-4-2014	0908	Thu	80386 17436 43576 10321 15287 88682	AM/RDFT	(DSch)
HM01	12120	15-4-2014	0944	Tue	14123 36541 66402 10326 00443 88687	AM/RDFT	(DSch)
HM01	12120	22-4-2014	0859	Tue	14126 36544 66405 10329 00446 44641	AM/RDFT	(DSch)
HM01	12120	26-4-2014	0858	Sat	88663 36548 66409 83333 48721 44644	AM/RDFT	(DSch)
HM01	12180	5-4-2014	1045	Sat	80381 17431 43571 80545 15282 83765 //11635 kHz	AM/RDFT	(DSch)
HM01	12180	8-4-2014	1001	Tue	On briefly then off at 0956. at 1001 UTC back with 80384 etc	AM/RDFT	(DSch)
HM01	12180	10-4-2014	1001	Thu	80386 17436 43576 10321 15287 88682. Not in sync with 11635 kHz	AM/RDFT	(DSch)
HM01	12180	12-4-2014	1006	Sat	14121 17438 43578 10323 00441 88684 //11635 kHz	AM/RDFT	(DSch)
HM01	12180	15-4-2014	1000	Tue	14123 36541 66402 10326 00443 88687. Not in sync with 11635 kHz	AM/RDFT	(DSch)
HM01	12180	17-4-2014	1043	Thu	14125 36543 66404 10328 00445 88689. Not in sync with 11635 kHz	AM/RDFT	(DSch)
HM01	13435	12-4-2014	0717	Sat	14121 17438 43578 10323 00441 88684	AM/RDFT	(DSch)
HM01	13435	19-4-2014	0750	Sat	i.p. Just stopped, carrier still on	AM/RDFT	(DSch)
HM01	13435	24-4-2014	0744	Thu	88661 36546 66407 83331 00448 44642	AM/RDFT	(DSch)
HM01	14125	17-4-2014	0600	Thu	14125 36543 66404 10328 00445 88689	AM/RDFT	(kc2ttk)
HM01	14125	17-4-2014	0659	Thu	14125 36543 66404 10328 00445 88689	AM/RDFT	(kc2ttk)
HM01	14375	10-4-2014	0615	Thu	80386 17436 43576 10321 15287 88682	AM/RDFT	(DSch)
HM01	14375	12-4-2014	0600	Sat	14121 17438 43578 10323 00441 88684	AM/RDFT	(DSch)
HM01	14375	15-4-2014	0500	Tue	14123 36541 66402 10326 00443 88687	AM/RDFT	(RWO)
HM01	14375	17-4-2014	0500	Thu	14125 36543 66404 10328 00445 88689	AM/RDFT	(RWO)
HM01	14375	19-4-2014	0500	Sat	14126 36544 66405 10329 00446 44641	AM/RDFT	(SFNY)
HM01	14375	19-4-2014	0535	Sat	14126 36544 66405 10329 00446 44641	AM/RDFT	(DSch)
HM01	14375	19-4-2014	0600	Sat	14126 36544 66405 10329 00446 44641	AM/RDFT	(DSch)
HM01	14375	19-4-2014	0600	Sat	14126 36544 66405 10329 00446 44641	AM/RDFT	(SFNY)
HM01	14375	22-4-2014	0512	Tue	14126 36544 66405 10329 00446 44641	AM/RDFT	(DSch)
HM01	14375	22-4-2014	0559	Tue	14126 36544 66405 10329 00446 44641	AM/RDFT	(DSch)
HM01	14375	24-4-2014	0500	Thu	88661 36546 66407 83331 00448 44642	AM/RDFT	(SFNY)
HM01	14375	24-4-2014	0610	Thu	88661 36546 66407 83331 00448 44642	AM/RDFT	(DSch)

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HM01	14375	26-4-2014	0500	Sat	88663 36548 66409 83333 48721 44644	AM/RDFT	(DSch/SFNY)
HM01	14375	29-4-2014	0500	Tue	88660 36545 66406 83331 00447 44641	AM/RDFT	(SFNY)
HM01	16180	1-4-2014	2056	Tue	82842 28746 10536 80541 73487 83761	AM/RDFT	(DSch)
HM01	16180	3-4-2014	2100	Thu	80380 17431 43570 80544 15281 83764	AM/RDFT	(DSch)
HM01	16180	5-4-2014	2100	Sat	Tuned xmtr and then off air later at 2109 back with 80382 17432 43572 80546 15283 83766	AM/RDFT	(DSch)
HM01	16180	8-4-2014	2108	Tue	80384 17435 43575 10321 15286 88681	AM/RDFT	(DSch)
HM01	16180	10-4-2014	2103	Thu	80387 17437 43577 10322 15288 88683	AM/RDFT	(DSch)
HM01	16180	12-4-2014	2100	Sat	14121 17439 66401 10324 00441 88685	AM/RDFT	(DSch)
HM01	16180	15-4-2014	2104	Tue	14124 36542 66403 10327 00444 88688	AM/RDFT	(DSch)
HM01	16180	17-4-2014	2100	Thu	14126 36544 66405 10329 00446 44641	AM/RDFT	(DSch)
HM01	16180	19-4-2014	2104	Sat	14126 36544 66405 10329 00446 44641	AM/RDFT	(DSch)
HM01	16180	22-4-2014	2059	Tue	14127 36545 66406 83331 00447 44641	AM/RDFT	(DSch)
HM01	16180	24-4-2014	2104	Thu	88661 36546 66407 83331 00448 44642	AM/RDFT	(DSch)
HM01	16180	26-4-2014	2100	Sat	88663 36548 66409 83333 48721 44644	AM/RDFT	(DSch)
HM01	16180	29-4-2014	2100	Tue	88660 36545 66406 83331 00447 44641	AM/RDFT	(DSch)
HM01	17480	1-4-2014	2204	Tue	82843 28747 10537 80542 73488 83762	AM/RDFT	(DSch)
HM01	17480	3-4-2014	2200	Thu	80380 17431 43570 80544 15281 83764	AM/RDFT	(DSch/Dan)
HM01	17480	5-4-2014	2200	Sat	80382 17432 43572 80546 15283 83766	AM/RDFT	(DSch)
HM01	17480	10-4-2014	2200	Thu	80387 17437 43577 10322 15288 88683	AM/RDFT	(DSch)
HM01	17480	12-4-2014	2200	Sat	14121 17439 66401 10324 00441 88685	AM/RDFT	(DSch)
HM01	17480	15-4-2014	2200	Tue	14124 36542 66403 10327 00444 88688. Started and stopped several times.	AM/RDFT	(DSch)
HM01	17480	17-4-2014	2200	Thu	14126 stops and starts again 14126 36544 66405 10329 00446 44641	AM/RDFT	(DSch)
HM01	17480	19-4-2014	2158	Sat	14126 36544 66405 10329 00446 44641	AM/RDFT	(DSch)
HM01	17480	22-4-2014	2200	Tue	On & off & fading. 88660 36545 66406 83331 00447 44641	AM/RDFT	(DSch/KC2T TK)
HM01	17480	24-4-2014	2202	Thu	88661 36546 66407 83331 00448 44642	AM/RDFT	(DSch/Dan/07c)
HM01	17480	26-4-2014	2203	Sat	88663 36548 66409 83333 48721 44644	AM/RDFT	(DSch)
HM01	17480	29-4-2014	2200	Tue	88660 36545 66406 83331 00447 44641	AM/RDFT	(DSch/Dan)
HM01	17480	29-4-2014	2239	Tue	88660 36545 66406 83331 00447 44641	AM/RDFT	(kc2ttk)
HM01/ M08a	10715	28-4-2014	2158	Mon	88660 stopped at 2158 UTC, then M08a CW "ATUGA NNINN", stopped 2159 UTC followed by HM01 again	AM/RDFT/CW	(DSch)
M01	5020	17-4-2014	2000	Thu	463 609 30 = = 03136 15863 17311 ... 54296 45736 55056 = = 609 30 000	CW	(RWO)
M01	5475	15-4-2014	1800	Tue	463 463 463 312 312 30 30 = = 30346 90498 28786 ... 65640 64970 90046 = = 312 312 30 30 000	CW	(AB/RWO)
M01	6508	13-4-2014	0700	Sun	463	CW	(HFD)
M01b	3510	3-4-2014	1832	Thu	201 189 30 3510 //4605	CW	(HFD)
M01b	3520	4-4-2014	2010	Fri	582 189 30 65700 3520 //4585	CW	(HFD)
M01b	3535	7-4-2014	1810	Mon	420 189 30 65700 3535 //4590	CW	(HFD)
M01b	3644	7-4-2014	1915	Mon	771 189 30 65700 3644 //4454	CW	(HFD)
M01b	3715	3-4-2014	1942	Thu	477 189 30 65700 3715 //4570	CW	(HFD)
M01b	3925	4-4-2014	1902	Fri	153 189 30 65700 3925 //4941	CW	(HFD)
M01b	4454	7-4-2014	1915	Mon	771 189 30 65700 3644 //3644	CW	(HFD)
M01b	4570	3-4-2014	1942	Thu	477 189 30 65700 3715 //3715	CW	(HFD)
M01b	4585	4-4-2014	2010	Fri	582 189 30 65700 3520 //3520	CW	(HFD)
M01b	4590	7-4-2014	1810	Mon	420 189 30 65700 3535 //3535	CW	(HFD)
M01b	4605	3-4-2014	1832	Thu	201 189 30 3510 //3510	CW	(HFD)
M01b	4941	4-4-2014	1902	Fri	153 189 30 65700 3925 //3925	CW	(HFD)
M03	5463	7-4-2014	1320	Mon	543/00	CW	(HFD)
M03	6977	19-4-2014	1535	Sat	VVV 798/00 = = 000	CW	(AB)
M03	8116	24-4-2014	1840	Thu	124 1 6318 107 15996 79439 43547 ... 89516 79541 74140 000 000	CW	(MPJ)
M03	9150	13-4-2014	1320	Sun	437/00 = = 000	CW	(AB)
M03	9150	15-4-2014	1115	Tue	275/30 = = 58029 97652 10057 ... 28224 71796 84109 = = 000	CW	(AB)
M08a	7554	3-4-2014	2000	Thu	Cuban cut nbrs AIWIA DAGAN UUDDA	CW	(DSch)
M08a	7554	12-4-2014	2002	Sat	Cuban cut nbrs AGNRN NNWTA DWTNN	CW	(DSch)
M08a	7554	13-4-2014	2000	Sun	Cuban cut nbrs. AGNRN NNWTN DWTNN	CW	(DSch)
M08a	7554	15-4-2014	2000	Tue	Vy wk sig. Cut nbrs but uncopied due strong QRM 1	CW	(DSch)
M08a	7554	17-4-2014	2000	Thu	Cuban cut nbrs. RITIN ITDTA GDRDN	CW	(DSch)
M08a	7554	19-4-2014	2030	Sat	Cuban cut nbrs	CW	(DSch)
M08a	7554	22-4-2014	2000	Tue	Cuban cut nbrs. RNWUN IWGRA GGDTN	CW	(DSch)
M08a	7554	24-4-2014	2000	Thu	Cuban cut nbrs. DGRRN UNTGA WWDNN	CW	(DSch)
M08a	7554	27-4-2014	2003	Sun	AGNRN NNWTA DWTNN. Repeat of groups sent on 12 Apr on 7554 and on 13	CW	(DSch)

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					Apr sent on 8096, 7554 & 8135.		
M08a	7554	28-4-2014	2001	Mon	RRAUN ITAIA WDDNN 282001	CW	(DSch)
M08a	7554	30-4-2014	2005	Wed	Cuban cut nbrs	CW	(DSch)
M08a	7554.2	11-4-2014	2002	Fri	Cuban cut nbrs. IINWA TAWGN AUGAA	CW	(DSch)
M08a	8009	7-4-2014	2303	Mon	Cuban cut nbrs	CW	(DSch)
M08a	8009	7-4-2014	2318	Mon	46588 88?71 51172 81743 27671 5703? 66202 35012 AR AR AR	CW	(Topol)
M08a	8009	21-4-2014	2308	Mon	Cuban cut nbrs	CW	(DSch)
M08a	8009	28-4-2014	2300	Mon	TRAWN ATUGA NNINN 282300	CW	(DSch)
M08a	8095.9	13-4-2014	1359	Sun	Cuban cut nbrs. AGNRN NNWTA DWTNN	CW	(DSch)
M08a	8096	7-4-2014	1400	Mon	ATIIA NDNTN DRWDA Cuban cut nbrs	CW	(DSch)
M08a	8096	8-4-2014	1406	Tue	Cuban cut nbrs	CW	(DSch)
M08a	8096	22-4-2014	1400	Tue	Cuban cut nbrs. UIATN WAWNA IUGWW	CW	(DSch)
M08a	8096	24-4-2014	1400	Thu	Cuban cut nbrs. Keying very bad.	CW	(DSch)
M08a	8096	28-4-2014	1401	Mon	WTIWA RDAGA GWWAN	CW	(DSch)
M08a	8096	30-4-2014	1420	Wed	Cuban cut nbrs	CW	(DSch)
M08a	8096.3	16-4-2014	1400	Wed	Cuban cut nbrs. RARAA UUGWA WIDIN. Tape messed up	CW	(DSch)
M08a	8129	15-4-2014	2302	Tue	Cuban cut nbrs: ARNIA ...	CW	(DSch)
M08a	8135	4-4-2014	2309	Fri	Cuban cut nbrs	CW	(DSch)
M08a	8135	8-4-2014	2313	Tue	00082 13321 25742 (R3m) 00082 00082 00082 00082 00082 = = = 02272 61018 13767 65818 88741 etc	CW	(DSch/Topol)
M08a	8135	10-4-2014	2300	Thu	Cuban cut nbrs. AUAWA NIUIN DTIAN	CW	(DSch)
M08a	8135	13-4-2014	2304	Sun	Cuban cut nbrs. AGNRN NNWTA DWTNN	CW	(DSch)
M08a	8135	22-4-2014	2303	Tue	Cuban cut nbrs. ATDWB = into 5LGs	CW	(DSch)
M08a	8135	24-4-2014	2306	Thu	Cuban cut nbrs	CW	(DSch)
M08a	11635	8-4-2014	2014	Tue	Cuban cut nbrs	CW	(DSch)
M08a/H M01	11435	6-4-2014	1600	Sun	Cut nbrs briefly then HM01: 80382 17432 43572 80546 15283 83766	CW/AM/RDFT	(DSch)
M12	4593	2-4-2014	2140	Wed	785 1 198 63 93118	CW	(FN)
M12	4593	2-4-2014	2140	Wed	785 1	CW	(HFD)
M12	4593	16-4-2014	2140	Wed	785 1 1388 69 73489	CW	(FN)
M12	4593	30-4-2014	2140	Wed	785 1 2005 97 17050	CW	(FN)
M12	5788	2-4-2014	1740	Wed	463 1 1904 58 45012	CW	(FN)
M12	5788	9-4-2014	1700	Wed	463 1 9570 91 11895	CW	(FN)
M12	5788	16-4-2014	1740	Wed	463 1 1855 62 05673	CW	(FN)
M12	5788	30-4-2014	1740	Wed	463 1 1250 81 18523	CW	(FN)
M12	5792	7-4-2014	0430	Mon	796 796 796 000	CW	(FN)
M12	5792	14-4-2014	0430	Mon	796 0	CW	(HFD)
M12	5792	21-4-2014	0430	Mon	796 796 796 000	CW	(FN)
M12	5792	28-4-2014	0430	Mon	796 796 796 000	CW	(FN)
M12	5893	2-4-2014	2120	Wed	785 1 198 63 93118	CW	(FN)
M12	5893	2-4-2014	2120	Wed	785 1	CW	(HFD)
M12	5893	9-4-2014	2120	Wed	785 785 785 000	CW	(FN)
M12	5893	16-4-2014	2120	Wed	785 1 1388 69 73489	CW	(FN)
M12	5893	23-4-2014	2120	Wed	785 785 785 000	CW	(FN)
M12	5893	30-4-2014	2120	Wed	785 1 2005 97 17050	CW	(FN)
M12	6793	2-4-2014	2100	Wed	785 1 198 63 93118	CW	(FN)
M12	6793	2-4-2014	2100	Wed	785 1	CW	(HFD)
M12	6793	9-4-2014	2100	Wed	785 785 785 000	CW	(FN)
M12	6793	16-4-2014	2100	Wed	785 1 1388 69 73489	CW	(FN)
M12	6793	30-4-2014	2100	Wed	785 1 2005 97 17050	CW	(FN)
M12	6802	2-4-2014	1720	Wed	463 1 1904 58 45012	CW	(FN)
M12	6802	9-4-2014	1700	Wed	463 1 9570 91 11895	CW	(FN)
M12	6802	16-4-2014	1720	Wed	463 1 1855 62 05673	CW	(FN)
M12	6802	30-4-2014	1720	Wed	463 1 1250 81 18523	CW	(FN)
M12	6904	3-4-2014	1740	Thu	257 1 9500 69 78799	CW	(FN)
M12	6904	3-4-2014	1940	Thu	257 1 3351 55 98349	CW	(FN)
M12	6904	7-4-2014	1740	Mon	257 1 4436 97 06176	CW	(FN)
M12	6904	7-4-2014	1840	Mon	257 1 8397 60 19636	CW	(FN)
M12	6904	7-4-2014	1940	Mon	257 1 7723 108 71148	CW	(FN)
M12	6904	10-4-2014	1730	Thu	257 1 4018 83 65111 ...	CW	(AB)
M12	6904	10-4-2014	1740	Thu	257 1 4018 83 65111	CW	(FN)
M12	6904	10-4-2014	1940	Thu	257 1 8704 66 48378	CW	(FN)

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M12	6904	17-4-2014	1740	Thu	257 1 9598 84 87332	CW	(FN)
M12	6904	17-4-2014	1940	Thu	257 1 4385 57 79875	CW	(FN)
M12	6904	21-4-2014	1740	Mon	257 257 257 1 2650 87 2650 87 97738 06409 13654 ... 90049 53937 35945 000 000	CW	(AB)
M12	6904	21-4-2014	1740	Mon	257 1 2650 87 97738	CW	(FN)
M12	6904	21-4-2014	1840	Mon	257 1 4495 53 06417	CW	(FN)
M12	6904	21-4-2014	1940	Mon	257 1 5143 110 94734	CW	(FN)
M12	6904	24-4-2014	1740	Thu	257 1 9111 92 13481	CW	(FN)
M12	6904	24-4-2014	1940	Thu	257 1 4792 59 28253	CW	(FN)
M12	6904	28-4-2014	1740	Mon	257 1 2260 104 92231	CW	(FN)
M12	6904	28-4-2014	1840	Mon	257 1 2288 61 45766	CW	(FN)
M12	6904	28-4-2014	1940	Mon	257 1 5816 112 08376	CW	(FN)
M12	6973	23-4-2014	2100	Wed	785 785 78 000	CW	(FN)
M12	6992	7-4-2014	0450	Mon	796 796 796 000	CW	(FN)
M12	6992	14-4-2014	0450	Mon	796 0	CW	(HFD)
M12	6992	21-4-2014	0450	Mon	796 796 796 000	CW	(FN)
M12	6992	28-4-2014	0450	Mon	796 796 796 000	CW	(FN)
M12	7484	3-4-2014	0630	Thu	402 402 402 000	CW	(FN)
M12	7484	10-4-2014	0630	Thu	402 402 402 000	CW	(FN)
M12	7484	17-4-2014	0630	Thu	402 402 402 000	CW	(FN)
M12	7484	24-4-2014	0630	Thu	402 0	CW	(HFD)
M12	7484	24-4-2014	0631	Thu	402 402 402 000 late start	CW	(FN)
M12	7931	3-4-2014	1720	Thu	257 1 9500 69 78799	CW	(FN)
M12	7931	3-4-2014	1920	Thu	257 1 3351 55 98349	CW	(FN)
M12	7931	7-4-2014	1720	Mon	257 1 4436 97 06176	CW	(FN)
M12	7931	7-4-2014	1820	Mon	257 1 8397 60 19636	CW	(FN)
M12	7931	7-4-2014	1920	Mon	257 1 7723 108 71148	CW	(FN)
M12	7931	10-4-2014	1720	Thu	257 1 4018 83 65111 ...	CW	(AB)
M12	7931	10-4-2014	1720	Thu	257 1 4018 83 65111	CW	(FN)
M12	7931	10-4-2014	1920	Thu	257 1 8704 66 48378	CW	(FN)
M12	7931	14-4-2014	1720	Mon	257 1 2843 86 35374 83424 29605 ... 07198 11258 73776 000 000	CW	(AB)
M12	7931	17-4-2014	1720	Thu	257 1 9598 84 87332	CW	(FN)
M12	7931	17-4-2014	1920	Thu	257 1 4385 57 79875 87149 26206 ... 27162 16869 66817 000 000	CW	(AB/RWO)
M12	7931	17-4-2014	1920	Thu	257 1 4385 57 79875	CW	(FN)
M12	7931	21-4-2014	1720	Mon	257 257 257 1 2650 87 2650 87 97738 06409 13654 ... 90049 53937 35945 000 000	CW	(AB)
M12	7931	21-4-2014	1720	Mon	257 1 2650 87 97738	CW	(FN)
M12	7931	21-4-2014	1820	Mon	257 1 4495 53 06417	CW	(FN)
M12	7931	21-4-2014	1920	Mon	257 1 5143 110 94734	CW	(FN)
M12	7931	24-4-2014	1720	Thu	257 1 9111 92 13481	CW	(FN)
M12	7931	24-4-2014	1920	Thu	257 1 4792 59 28253	CW	(FN)
M12	7931	28-4-2014	1720	Mon	257 1 2260 104 92231	CW	(FN)
M12	7931	28-4-2014	1820	Mon	257 1 2288 61 45766	CW	(FN)
M12	7931	28-4-2014	1920	Mon	257 1 5816 112 08376	CW	(FN)
M12	8047	2-4-2014	1700	Wed	463 1 1904 58 45012	CW	(FN)
M12	8047	9-4-2014	1700	Wed	463 1 9570 91 11895	CW	(FN)
M12	8047	16-4-2014	1700	Wed	463 1 1855 62 05673	CW	(FN)
M12	8047	30-4-2014	1700	Wed	463 1 1250 81 18523	CW	(FN)
M12	8084	3-4-2014	0650	Thu	402 402 402 000	CW	(FN)
M12	8084	10-4-2014	0650	Thu	402 402 402 000	CW	(FN)
M12	8084	17-4-2014	0650	Thu	402 402 402 000	CW	(FN)
M12	8084	24-4-2014	0650	Thu	402 402 402 000	CW	(FN)
M12	8084	24-4-2014	0650	Thu	402 0	CW	(HFD)
M12	8116	1-4-2014	1910	Tue	124 1 8108 65 20550	CW	(FN)
M12	8116	3-4-2014	1740	Thu	124 1 2416 89 42193	CW	(FN)
M12	8116	3-4-2014	1840	Thu	124 1 6012 117 52306	CW	(FN)
M12	8116	8-4-2014	1910	Tue	124 1 6987 62 86787	CW	(FN)
M12	8116	10-4-2014	1730	Thu	124 1 9691 120 22614 ...	CW	(AB)
M12	8116	10-4-2014	1740	Thu	124 1 8411 88 47959	CW	(FN)
M12	8116	10-4-2014	1840	Thu	124 1 9691 120 22614	CW	(FN)
M12	8116	15-4-2014	1910	Tue	124 1 446 86 15171	CW	(FN)
M12	8116	17-4-2014	1740	Thu	124 1 8791 98 26189	CW	(FN)

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M12	8116	17-4-2014	1840	Thu	124 1 4548 119 96621	CW	(FN)
M12	8116	24-4-2014	1740	Thu	124 1 5546 102 20788	CW	(FN)
M12	8116	24-4-2014	1840	Thu	124 1 6318 107 15996	CW	(FN)
M12	8116	29-4-2014	1910	Tue	124 1 445 130 05718	CW	(FN)
M12	9169	9-4-2014	2150	Wed	441 1 782 89 90296	CW	(FN)
M12	9169	23-4-2014	2150	Wed	441 7879 193 04528	CW	(FN)
M12	9169	30-4-2014	2150	Wed	441 1 7879 193 04528	CW	(FN)
M12	9176	3-4-2014	1700	Thu	257 1 9500 69 78799	CW	(FN)
M12	9176	3-4-2014	1900	Thu	257 1 3351 55 98349	CW	(FN)
M12	9176	7-4-2014	1700	Mon	257 1 4436 97 06176	CW	(FN)
M12	9176	7-4-2014	1800	Mon	257 1 8397 60 19636	CW	(FN)
M12	9176	7-4-2014	1900	Mon	257 1 7723 108 71148	CW	(FN)
M12	9176	10-4-2014	1700	Thu	257 1 4018 83 65111 ...	CW	(AB)
M12	9176	10-4-2014	1700	Thu	257 1 4018 83 65111	CW	(FN)
M12	9176	10-4-2014	1900	Thu	257 1 8704 66 48378	CW	(FN)
M12	9176	17-4-2014	1700	Thu	257 1 9598 84 87332	CW	(FN)
M12	9176	17-4-2014	1900	Thu	257 1 4385 57 79875	CW	(FN)
M12	9176	21-4-2014	1700	Mon	257 1 2650 87 97738	CW	(FN)
M12	9176	21-4-2014	1800	Mon	257 1 4495 53 06417	CW	(FN)
M12	9176	21-4-2014	1900	Mon	257 1 5143 110 94734	CW	(FN)
M12	9176	24-4-2014	1700	Thu	257 1 9111 92 13481	CW	(FN)
M12	9176	24-4-2014	1900	Thu	257 1 4792 59 28253	CW	(FN)
M12	9176	28-4-2014	1700	Mon	257 1 2260 104 92231	CW	(FN)
M12	9176	28-4-2014	1800	Mon	257 1 2288 61 45766	CW	(FN)
M12	9176	28-4-2014	1900	Mon	257 1 5816 112 08376	CW	(FN)
M12	9264	1-4-2014	1850	Tue	124 1 8108 65 20550	CW	(FN)
M12	9264	3-4-2014	1720	Thu	124 1 2416 89 42193	CW	(FN)
M12	9264	3-4-2014	1820	Thu	124 1 6012 117 52306	CW	(FN)
M12	9264	8-4-2014	1850	Tue	124 1 6987 62 86787	CW	(FN)
M12	9264	10-4-2014	1720	Thu	124 1 8411 88 47959	CW	(FN)
M12	9264	10-4-2014	1820	Thu	124 1 9691 120 22614	CW	(FN)
M12	9264	15-4-2014	1850	Tue	124 1 446 86 15171	CW	(FN)
M12	9264	17-4-2014	1720	Thu	124 1 8791 98 26189	CW	(FN)
M12	9264	17-4-2014	1820	Thu	124 1 4548 119 96621	CW	(FN)
M12	9264	17-4-2014	1826	Thu	i.p. 82011 80950 40589 90022 90859 ... 45383 51102 59615 62963 11947 000 000	CW	(MPJ)
M12	9264	24-4-2014	1720	Thu	124 1 5546 102 20788	CW	(FN)
M12	9264	24-4-2014	1820	Thu	124 1 6318 107 15996	CW	(FN)
M12	9264	29-4-2014	1850	Tue	124 1 445 130 05718	CW	(FN)
M12	9327	2-4-2014	1910	Wed	938 1 5212 60 32692	CW	(FN)
M12	9327	7-4-2014	1640	Mon	938 1 8056 114 98108	CW	(FN)
M12	9327	9-4-2014	1910	Wed	938 1 8028 64 85481	CW	(FN)
M12	9327	16-4-2014	1910	Wed	938 1 446 86 15171	CW	(FN)
M12	9327	21-4-2014	1640	Mon	938 1 3971 106 22802	CW	(FN)
M12	9327	28-4-2014	1640	Mon	938 1 7449 117 10914	CW	(FN)
M12	9327	30-4-2014	1910	Wed	938 1 445 130 05718	CW	(FN)
M12	9624	10-4-2014	1720	Thu	124 1 9691 120 22614 ...	CW	(AB)
M12	10250	1-4-2014	1625	Tue	345 1	CW	(HFD)
M12	10250	10-4-2014	1651	Thu	123 123 123 1 1077 26 1077 26 35717 28671 04644 ... 77031 86285 05680 000 000	CW	(Ava-re/Danix)
M12	10250	10-4-2014	1717	Thu	123 123 123 1 (R1) 000 000	CW	(Ava-re/Danix)
M12	10251	11-4-2014	0855	Fri	00000 00000 00000 00000 00000 pause 00000 00000 00000 00000 00000	CW	(Avare)
M12	10253	11-4-2014	0925	Fri	123 2 6618 29 52844 63472 14286 05516 ... 000 000	CW	(AB/Avare)
M12	10253.5	11-4-2014	0900	Fri	00000 (12x) 000 000. 000 000 000 0 (9x). 0000 00 (2x). 00000 (26x) 000 000	CW	(AB/Avare)
M12	10254	11-4-2014	0922	Fri	123 123 123 2 etc	CW	(AB/Avare)
M12	10255	11-4-2014	0745	Fri	123 123 123 2 msg 000 000 123 123 123 2 off	CW	(Avare)
M12	10255	11-4-2014	0914	Fri	123 123 123 2 no msg	CW	(AB/Avare)
M12	10256	10-4-2014	1600	Thu	123 123 123 1 3137 28 3137 28 00034 17432 84801 ... 33716 57412 15314 000 000	CW	(Ava-re/Danix)
M12	10256	10-4-2014	1657	Thu	123 123 123 1 1077 26 1077 26 35717 28671 04644 ... 77031 86285 05680 000 000	CW	(Ava-re/Danix)
M12	10256	10-4-2014	1719	Thu	faster speed, 123 123 123 1 7789 23 7789 23 51601 12167 76272 ... 62202	CW	(Ava-

Code	Freq	Date	UTC	Day	Remarks	Mode	Ctrb
					10114 50506 000 000		re/Danix)
M12	10343	1-4-2014	1830	Tue	124 1 8108 65 20550	CW	(FN)
M12	10343	3-4-2014	1700	Thu	124 1 2416 89 42193	CW	(FN)
M12	10343	3-4-2014	1800	Thu	124 1 6012 117 52306	CW	(FN)
M12	10343	8-4-2014	1830	Tue	124 1 6987 62 86787	CW	(FN)
M12	10343	10-4-2014	1700	Thu	124 1 9691 120 22614 ...	CW	(AB)
M12	10343	10-4-2014	1700	Thu	124 1 8411 88 47959	CW	(FN)
M12	10343	10-4-2014	1800	Thu	124 1 9691 120 22614	CW	(FN)
M12	10343	15-4-2014	1830	Tue	124 1 446 86 15171	CW	(FN)
M12	10343	15-4-2014	1830	Tue	124 124 124 1 446 86 446 86 15171 82387 22925 ... 58045 66630 82353 000 000	CW	(RWO)
M12	10343	17-4-2014	1700	Thu	124 1 8791 98 26189	CW	(FN)
M12	10343	17-4-2014	1800	Thu	124 1 4548 119 96621	CW	(FN)
M12	10343	24-4-2014	1700	Thu	124 1 5546 102 20788	CW	(FN)
M12	10343	24-4-2014	1800	Thu	124 1 6318 107 15996	CW	(FN)
M12	10343	29-4-2014	1830	Tue	124 1 445 130 05718	CW	(FN)
M12	10469	2-4-2014	2130	Wed	441 441 441 000	CW	(FN)
M12	10469	2-4-2014	2130	Wed	441 0	CW	(HFD)
M12	10469	5-4-2014	2130	Sat	441 441 441 000	CW	(FN)
M12	10469	9-4-2014	2130	Wed	441 1 782 89 90296	CW	(FN)
M12	10469	16-4-2014	2130	Wed	441 441 441 000	CW	(FN)
M12	10469	19-4-2014	2130	Sat	441 441 441 000	CW	(FN)
M12	10469	23-4-2014	2130	Wed	441 7879 193 04528	CW	(FN)
M12	10469	30-4-2014	2130	Wed	441 1 7879 193...	CW	(FN)
M12	10598	2-4-2014	1850	Wed	938 1 5212 60 32692	CW	(FN)
M12	10598	7-4-2014	1620	Mon	938 1 8056 114 98108	CW	(FN)
M12	10598	9-4-2014	1850	Wed	938 1 8028 64 85481	CW	(FN)
M12	10598	16-4-2014	1850	Wed	938 1 446 86 15171	CW	(FN)
M12	10598	21-4-2014	1620	Mon	938 1 3971 106 22802	CW	(FN)
M12	10598	28-4-2014	1620	Mon	938 1 7449 117 10914	CW	(FN)
M12	10598	30-4-2014	1850	Wed	938 1 445 130 05718	CW	(FN)
M12	11435	2-4-2014	1830	Wed	938 1 5212 60 32692	CW	(FN)
M12	11435	7-4-2014	1600	Mon	938 1 8056 114 98108	CW	(FN)
M12	11435	9-4-2014	1830	Wed	938 1 8028 64 85481	CW	(FN)
M12	11435	14-4-2014	1601	Mon	938 1 4746 118 73867	CW	(DSch)
M12	11435	16-4-2014	1830	Wed	938 1 446 86 15171	CW	(FN)
M12	11435	21-4-2014	1600	Mon	938 1 3971 106 22802	CW	(FN)
M12	11435	28-4-2014	1600	Mon	938 1 7449 117 10914	CW	(FN)
M12	11435	30-4-2014	1830	Wed	938 1 445 130 05718	CW	(FN)
M12	11469	2-4-2014	2110	Wed	441 441 441 000	CW	(FN)
M12	11469	2-4-2014	2110	Wed	441 0	CW	(HFD)
M12	11469	5-4-2014	2110	Sat	441 441 441 000	CW	(FN)
M12	11469	9-4-2014	2110	Wed	441 1 782 89 90296	CW	(FN)
M12	11469	16-4-2014	2110	Wed	441 441 441 000	CW	(FN)
M12	11469	19-4-2014	2110	Sat	441 441 441 000	CW	(FN)
M12	11469	23-4-2014	2110	Wed	441 7879 193 04528	CW	(FN)
M12	11469	30-4-2014	2110	Wed	441 1 7879 ...	CW	(FN)
M12	11491	3-4-2014	1640	Thu	725 1 5337 103 59303	CW	(FN)
M12	11491	10-4-2014	1640	Thu	725 725 725 1 6911 115 6911 115 18582 05320 32377 ... 48086 40402 92853 000 000	CW	(Ava-re/Danix)
M12	11491	10-4-2014	1640	Thu	725 1 6911 115 18582	CW	(FN)
M12	11491	17-4-2014	1640	Thu	725 1 2505 110 89365	CW	(FN)
M12	11491	24-4-2014	1640	Thu	725 1 1932 118 59417	CW	(FN)
M12	12178	5-4-2014	1350	Sat	451 1 399 105 33382	CW	(FN)
M12	12178	17-4-2014	1350	Thu	451 1 1465 111 89088	CW	(FN)
M12	12178	24-4-2014	1350	Thu	451 1 3878 141 97123	CW	(FN)
M12	12189	3-4-2014	1620	Thu	725 1 5337 103 59303	CW	(FN)
M12	12189	10-4-2014	1620	Thu	725 1 6911 115 18582	CW	(FN)
M12	12189	17-4-2014	1620	Thu	725 1 2505 110 89365	CW	(FN)
M12	12189	24-4-2014	1620	Thu	725 1 1932 118 59417	CW	(FN)
M12	13368	24-4-2014	1600	Thu	725 1 1932 118 59417	CW	(FN)
M12	13386	3-4-2014	1600	Thu	725 1 5337 103 59303	CW	(FN)

Code	Freq	Date	UTC	Day	Remarks	Mode	Ctrb
M12	13386	10-4-2014	1600	Thu	725 1 6911 115 18582	CW	(FN)
M12	13386	17-4-2014	1600	Thu	725 1 2505 110 89365	CW	(FN)
M12	13568	5-4-2014	1330	Sat	451 1 399 105 33382	CW	(FN)
M12	13568	10-4-2014	1330	Thu	451 451 451 000	CW	(FN)
M12	13568	17-4-2014	1330	Thu	451 1 1465 111 89088	CW	(FN)
M12	13568	19-4-2014	1330	Sat	451 451 451 000	CW	(FN)
M12	13568	19-4-2014	1331	Sat	451 0	CW	(HFD)
M12	13568	24-4-2014	1330	Thu	451 1 3878 141 97123	CW	(FN)
M12	14468	5-4-2014	1310	Sat	451 1 399 105 33382	CW	(FN)
M12	14468	10-4-2014	1310	Thu	451 451 451 000	CW	(FN)
M12	14468	17-4-2014	1310	Thu	451 1 1465 111 89088	CW	(FN)
M12	14468	19-4-2014	1310	Sat	451 451 451 000	CW	(FN)
M12	14468	19-4-2014	1310	Sat	451 0	CW	(HFD)
M12	14468	24-4-2014	1310	Thu	451 1 3878 141 97123	CW	(FN)
M14	5430	19-4-2014	0800	Sat	171	CW	(HFD)
M14	5431.5	19-4-2014	0800	Sat	171 very weak	CW	(AB)
M14	9149	7-4-2014	1900	Mon	381 702 69 = 60436	CW	(FN)
M21	4391	24-4-2014	1921	Thu	Russian Air Defence ..9454319 =11807259454319 =992329??0????? =11807259453520	CW	(MPJ)
M21	4904	23-4-2014	2004	Wed	Russian Air Defence =990005??8?????	CW	(MPJ)
M22	2680	25-4-2014	0246	Fri	VVV DE 4XZ //4331 kHz	CW	(F5JBR)
M22	4331	18-4-2014	1802	Fri	4XZ: IDF/Israeli Navy Haifa. DE 4XZ QTC 1 NR 025 =	CW	(F5JBR)
M22	4331	23-4-2014	0229	Wed	4XZ: IDF/Israeli Navy Haifa. DE 4XZ QTC 1 NR 025 =	CW	(F5JBR)
M22	4331	23-4-2014	1805	Wed	4XZ: IDF/Israeli Navy Haifa. = NR 178 ZVD DO8R 039132 GO6U GR 75 = NSNSN CW ABURY DGPRG UGLEO QXWHS SAAKQ QFXGS AEWPH RICXS PYPDH //6607 kHz	CW	(F5JBR)
M22	4331	25-4-2014	0246	Fri	VVV DE 4XZ //2680 kHz	CW	(F5JBR)
M22	4331	25-4-2014	0353	Fri	VVV DE 4XZ //6607 kHz	CW	(F5JBR)
M22	4331	28-4-2014	1838	Mon	VVV DE 4XZ //6607 kHz	CW	(F5JBR)
M22	6607	17-4-2014	1744	Thu	4XZ: IDF/Israeli Navy Haifa. DE 4XZ QTC 1 NR 656 = NR656 I A V KYOR 410271 PM5J GR03 = PJPJP HZRHR XLWWU ZITWG.....	CW	(F5JBR)
M22	6607	19-4-2014	0414	Sat	4XZ: IDF/Israeli Navy Haifa. VVV de 4XZ NR 0= 407 WA V CA9X 606091 RG1F GR 52 = RFRFR QQEAJ QIMCZ TAOMN YTPFR	CW	(F5JBR)
M22	6607	23-4-2014	0355	Wed	VVV DE 4XZ BT VVV DE 4XZ	CW	(F5JBR)
M22	6607	23-4-2014	1805	Wed	4XZ: IDF/Israeli Navy Haifa. = NR 178 ZVD DO8R 039132 GO6U GR 75 = NSNSN CW ABURY DGPRG UGLEO QXWHS SAAKQ QFXGS AEWPH RICXS PYPDH //4331 kHz	CW	(F5JBR)
M22	6607	25-4-2014	0353	Fri	VVV DE 4XZ //4331 kHz	CW	(F5JBR)
M22	6607	28-4-2014	1838	Mon	VVV DE 4XZ //4331 kHz	CW	(F5JBR)
M32	3348	6-4-2014	1533	Sun	DE C8FZ K. R K. 3M.U DE C8FZ K	CW	(JPL-Sib)
M32	3554	25-4-2014	2010	Fri	i.p. 96585 45605 33.70 68134 .9.32 836.3 260.6 074 Y1BW Y1BW Y1BW ... 40 26 0005 .85 = Z...	CW	(JPL-Sib)
M32	3728	25-4-2014	1431	Fri	9DXG OK QAP K	CW	(JPL-Sib)
M32	4062	6-4-2014	1914	Sun	2M8N de D16X E 284 ? K. JOJY DE D16X QTA 285 K	CW	(JPL-Sib)
M32	4108	6-4-2014	1921	Sun	M88I M88I M88I 231 486 2320 231 = 452 = 946.6 75675 61407 18406 20411 49547 93390 (Cont'd)	CW	(JPL-Sib)
M32	4140	16-4-2014	1518	Wed	OK R K. DE WPYR R 919 K. OK K	CW	(JPL-Sib)
M32	5119	3-4-2014	1750	Thu	ZD1V DE JYL8 R 481 ? K	CW	(JPL-Sib)
M32	5324	18-4-2014	1015	Fri	XXX XXX XN1D XN1D 02016 KAMA 3279 6627 K	CW	(Avare)
M32	5369	18-4-2014	1015	Fri	XX XXX G5CX F2ET 20423 94700 KURSANT 5153 1174 K	CW	(Avare)
M32	5757	7-4-2014	1026	Mon	XXX PROF PROF 81758 64709 KRIPTA 1184 2002 K	CW	(JPL-Sib)
M32	6184	16-4-2014	1139	Wed	23140 61816 71834 79130 57768 39545 12323 12341 61017 4EEEEEE	CW	(JPL-Sib)
M32	6827	5-4-2014	1125	Sat	i.p. 93465 42170 36528 85497 ... 39632 15024 05050 = 391 QXS K etc	CW	(JPL-Sib)
M32	6957	6-4-2014	1932	Sun	MZ9I de C8A5 QRV K. Replies to QTC from NCS on 7964 kHz	CW	(MPJ)
M32	7121	16-4-2014	1022	Wed	WW4A DE 2O4I K (Keyed carrier) AR	CW	(JPL-Sib)
M32	7196	18-4-2014	0502	Fri	V8QV: Russian Mil. M1EP de V8QV QSA NO K	CW	(F5JBR)
M32	7196	18-4-2014	0505	Fri	3B8B: Russian Mil. M1EP de 3B8B QSA NO K	CW	(F5JBR)
M32	7196	18-4-2014	0507	Fri	AIE5: Russian Mil. M1EP de AIE5 QSA NO K	CW	(F5JBR)
M32	7196	18-4-2014	0520	Fri	QF9E: Russian Mil. M1EP de QF9E QSA NO K	CW	(F5JBR)
M32	7196	18-4-2014	0523	Fri	M1EP: Russian Mil. M1EP QSO with outstations IBNI, Z43M, NG1Q, 3B8B, V8QV, LGN5, QF9E	CW	(F5JBR)
M32	7196	19-4-2014	0504	Sat	M1EP QSO with out stations IBNI, Z43M, NG1Q, 3B8B, V8QV, LGN5, QF9E	CW	(F5JBR)
M32	7816	8-4-2014	0733	Tue	XXX LR43 TEHPROWERKA 00000 2222 0560 592 ESK-APROWERKA	CW	(IARUMS)

Code	Freq	Date	UTC	Day	Remarks	Mode	Ctrb
M32	7853	2-4-2014	0920	Wed	XXX XXX N1DX N1DX 01008 APOLOG 2795 2236 k	CW	(WP3)
M32	7964	6-4-2014	1914	Sun	MZ9I: Russian Mil NCS. Msg to unid: MZ9I x3 663 30 6 2304 663 = 975 = PSVUW NWQChO UVBH÷ HV³EA UVBH÷ ... AUTZY PYPWU 941 RPT AL K. Nothing heard on QSX 6957 kHz	CW	(MPJ)
M32	7964	6-4-2014	1931	Sun	C8A5 de MZ9I QTC K. Out station replies on QSX 6957 kHz.	CW	(MPJ)
M32	7968	16-4-2014	1018	Wed	XXX WEGI WEGI 18339 GLIPTOTKA 3017 8814	CW	(JPL-Sib)
M32	7968	16-4-2014	1019	Wed	XXX XXX WEGI WEGI 18339 GLIPTOTEKA 3017 8814 K	CW	(JPL-Sib)
M32	7969	7-4-2014	1016	Mon	XXX XXX WEGI WEGI 03484 DOSRO\ONYJ 0510 3374 K	CW	(JPL-Sib)
M32	7969	7-4-2014	1018	Mon	3FOD FEEEE. 3FOD QRJ3 QJG QYT9 K	CW	(JPL-Sib)
M32	7992	15-4-2014	0304	Tue	VVVV 3CPC DE 4GXG QSV K. BK QSA4 QSA? K. QXS K. OK R K	CW	(JPL-Sib)
M32	8457	8-4-2014	1028	Tue	XXX XXX 8FKP 8FKP 92331 WALA\HKA 2765 8965	CW	(JPL-Sib)
M32	8457	8-4-2014	1031	Tue	XXX XXX 8FKP 8FKP 52256 DIOKSATION 7700 6142 K	CW	(JPL-Sib)
M32	8457	8-4-2014	1033	Tue	XXX XXX 8FKP 8FKP 47350 ALKA\HAN 7584 0843 K	CW	(JPL-Sib)
M32	9149	10-4-2014	0654	Thu	DP5N DP5N DP5N DE OM6J OM6J QTC 43028101052430 = 805 = GPPPP K	CW	(BCI)
M32	10155	8-4-2014	1015	Tue	UUU XXX XXX WEGI WEGI 00695 60700 WLjuBchiWYJ 3129 3962	CW	(Tom)
M32	10155	8-4-2014	1022	Tue	UUU XXX XXX RGT77 RGT77 70044 95716 POTxMA 7100 9007	CW	(Tom)
M32	10683	9-4-2014	1007	Wed	XXX XXX WEGI WEGI 80391 GLUPOWEC 3872 5945 on 10683//12688//13443//13561 kHz	CW	(JU)
M32	11077	3-4-2014	1006	Thu	DE LFIF Q.1 K. OK AS K. ISVH DE QGJG QSA 3 K	CW	(JPL-Sib)
M32	11138	28-4-2014	1357	Mon	XXX XXX W6BY W6BY 06867 90858 KILX 7952 5257 PILUþKA 2656 3731 K	CW	(Elmar)
M32	11138	28-4-2014	1357	Mon	RDL RDL RDL 77665 01640 77665 01640 77665 01640 K	CW	(Elmar)
M32	11138	28-4-2014	1357	Mon	i.p. LIMALAJ 7005 460 K	CW	(Elmar)
M32	11138	28-4-2014	1357	Mon	XXX XXX RGT77 RGT77 73099 39851 DIMEFOKS 8155 3630 K	CW	(Elmar)
M32	11209	7-4-2014	1003	Mon	i.p. 4 48041 GL\ANCOWKA 4630 3254 K into digimode	CW	(JPL-Sib)
M32	11408	8-4-2014	1028	Tue	XXX XXX 1QRF 1QRF 89885 HLUePKIJ 4911 7328	CW	(JU)
M32	11408	8-4-2014	1135	Tue	XXX XXX 1QRF 1QRF 19788 PEGMATIT 8199 0628	CW	(JU)
M32	11408	8-4-2014	1201	Tue	XXX XXX 1QRF 1QRF 94195 BALXNIK 2968 8736	CW	(JU)
M32	11408	25-4-2014	1017	Fri	XXXX XXX 1QRF 1QRF 77151 FANTIK 5985 1603	CW	(JU)
M32	12688	8-4-2014	1142	Tue	XXX XXX VN6B VN6B W6BY W6BY RGT77 RGT77 67673 TAMANIT 7684 3189 BALAEANDRAS 1369 1168 //13443 kHz	CW	(JU)
M32	12688	8-4-2014	1157	Tue	XXX XXX VN6B VN6B 1QRF 1QRF 55014 BALXNIK 2968 8736 //13443 kHz	CW	(JU)
M32	12688	8-4-2014	1159	Tue	XXX XXX W6BY W6BY 95637 WALXNEWEC 7869 6690 ChALXNOJ 7253 0657 //13443 kHz	CW	(JU)
M32	12688	9-4-2014	1007	Wed	XXX XXX WEGI WEGI 80391 GLUPOWEC 3872 5945 on 10683//12688//13443//13561 kHz	CW	(JU)
M32	12688	18-4-2014	0955	Fri	KSKD 2/26/212	CW	(JPL-Sib)
M32	12688	18-4-2014	0957	Fri	XXX XXX 1XRF 1QRF F2ET F2ET 3.77Q 77918 . KSON 2.28 9214 K	CW	(JPL-Sib)
M32	12688	25-4-2014	1014	Fri	XXX XXX WEGI WEGI 24064 FANTIK 5985 1603	CW	(JU)
M32	12832	8-4-2014	1038	Tue	XXX XXX WEGI WEGI 28133 22623 ChATEN 0536 0637	CW	(JU)
M32	12832	8-4-2014	1040	Tue	XXX XXX WEGI WEGI 41739 85668 HLUePKIJ 4911 7328	CW	(JU)
M32	12832	8-4-2014	1043	Tue	XXX XXX WEGI WEGI 38510 94024 BATYRQIK 0364 9923	CW	(JU)
M32	12832	8-4-2014	1152	Tue	XXX XXX RGT77 RGT77 84348 72262 PEGMATIT 8199 0628	CW	(JU)
M32	12832	9-4-2014	0947	Wed	XXX XXX RGT77 RGT77 84126 10845 ALXGICID 7128 3126	CW	(JU)
M32	12832	9-4-2014	0959	Wed	XXX XXX WEGI WEGI 34497 39101 ALYM 1132 7378	CW	(JU)
M32	12832	9-4-2014	1012	Wed	XXX XXX WEGI WEGI 44036 80391 GLUPOWEC 3872 5945	CW	(JU)
M32	12832	9-4-2014	1138	Wed	XXX XXX RGT77 RGT77 37624 47709 GLUMICA 8105 2936	CW	(JU)
M32	12832	9-4-2014	1150	Wed	XXX XXX RGT77 RGT77 07029 33994 SLIKA 7132 6696 GLUBOTA 0179 0624	CW	(JU)
M32	12832	9-4-2014	1155	Wed	XXX XXX W6BY W6BY 65151 06720 HLOR'ETON 1698 0697 HLORMETIN 6715 6539	CW	(JU)
M32	12832	25-4-2014	1022	Fri	XXXX XXX WEGI WEGI 98786 24064 FANTIK 5985 1603	CW	(JU)
M32	12981	2-4-2014	0955	Wed	XXX XXX N1DX N1DX 17844 ILXMENIT 6176 2371 //13582 kHz	CW	(JU)
M32	12981	2-4-2014	1000	Wed	XXX XXX N1DX N1DX 67841 PEPELICA 0807 1883 //13582 kHz	CW	(JU)
M32	12981	2-4-2014	1020	Wed	XXX XXX 6YUE 6YUE 22902 BALAHNA 4582 8086 //13582 kHz	CW	(JU)
M32	12981	2-4-2014	1036	Wed	XXX XXX 6YUE 6YUE 70617 DALARNEC 1594 4993	CW	(JU)
M32	12981	2-4-2014	1240	Wed	XXX XXX 6YUE 6YUE 00842 DINOCERAT 7405 8000	CW	(JU)
M32	12981	9-4-2014	0955	Wed	XXX XXX G5CX G5CX F2ET F2ET 20224 15406 RASTASOWKA 2757 0978 //13852 kHz	CW	(JU)
M32	12981	25-4-2014	1025	Fri	XXXX XXX C1OB C1OB 07142 KINOGRAMMA 3109 9011 ODNOVENEC 6366 6786	CW	(JU)
M32	12986	18-4-2014	0501	Fri	KMJQ: Russian Mil NCSs Duplex. NLV5 (Collective call) QTC ZVV AR - KMJQ (CALL control station) QTC 137 30 180930 137 = ZRP 863 = DDDDD OGBNC DSECZ LEAIZ 7IPWY 863 MSG repeated 2 times, then RPT AL QLN K	CW	(F5JBR)
M32	13404	18-4-2014	0506	Fri	G2NM: Russian Mil. NCSs Duplex 0506 CW H7MP de G2NM R 215 QRV K	CW	(F5JBR)
M32	13404	19-4-2014	0511	Sat	G2NM msg to 7JQU QTC 675 19 0905 675 = 754 = DDDDD MZPKC OMUSR NZF CW	CW	(F5JBR)

Code	Freq	Date	UTC	Day	Remarks	Mode	Ctrb
					JN		
M32	13404	19-4-2014	0529	Sat	NRDJ: Russian Mil NCSs Duplex 0529 CW NRDJ R 726	CW	(F5JBR)
M32	13433	8-4-2014	1142	Tue	XXX XXX VN6B VN6B W6BY W6BY RGT77 RGT77 67673 TAMANIT 7684 3189 BALAeNDRAS 1369 1168 //12688 kHz	CW	(JU)
M32	13433	8-4-2014	1157	Tue	XXX XXX VN6B VN6B 1QRF 1QRF 55014 BALXNIK 2968 8736 //12688 kHz	CW	(JU)
M32	13443	8-4-2014	1159	Tue	XXX XXX W6BY W6BY 95637 WALXNEWEC 7869 6690 ChALXNOJ 7253 0657 //12688 kHz	CW	(JU)
M32	13443	9-4-2014	1007	Wed	XXX XXX WEGI WEGI 80391 GLUPOWEC 3872 5945 on 10683//12688//13443//13561 kHz	CW	(JU)
M32	13561	9-4-2014	1007	Wed	XXX XXX WEGI WEGI 80391 GLUPOWEC 3872 5945 on 10683//12688//13443//13561 kHz	CW	(JU)
M32	13582	2-4-2014	0955	Wed	XXX XXX N1DX N1DX 17844 ILXMENIT 6176 2371 //12981 kHz	CW	(JU)
M32	13582	2-4-2014	1000	Wed	XXX XXX N1DX N1DX 67841 PEPELICA 0807 1883 //12981 kHz	CW	(JU)
M32	13582	2-4-2014	1020	Wed	XXX XXX 6YUE 6YUE 22902 BALAHNA 4582 8086 //12981 kHz	CW	(JU)
M32	13852	9-4-2014	0955	Wed	XXX XXX G5CX G5CX F2ET F2ET 20224 15406 RASTASOWKA 2757 0978 //12981 kHz	CW	(JU)
M32	13852	25-4-2014	1025	Fri	XXXX XXX C1OB C1OB 07142 KINOGRAMMA 3109 9011 ODNOVENEK 6366 6786	CW	(JU)
M32	13914	17-4-2014	0821	Thu	XXX XXX WEGI WEGI 04554 GLADOSTX 9900 2421 K	CW	(JPL-Sib)
M32	13914	17-4-2014	0825	Thu	XXX XXX G5CX G5CX F2ET F2ET 71635 06359 WALERIAN 3701 6694	CW	(JPL-Sib)
M32	13914	17-4-2014	0827	Thu	GXC3 GXC3 GXC3 DE JW8C JW8C QBE QYT 6 K	CW	(JPL-Sib)
M32	13915	3-4-2014	1000	Thu	IE2F DE S12P R 312 ? K. QGJC DE S12P R 312 ? K	CW	(JPL-Sib)
M32	14376	16-4-2014	1006	Wed	XHC3 260 23 16 1358 260 = 463 = PPPPP ADFAQ \OOU\OE BIPNJ (Cont'd)	CW	(JPL-Sib)
M32	14376	18-4-2014	0501	Fri	H7MP: Russian Mil NCSs Duplex 0501 CW G2NM de H7MP QTC 215 30 18 0855 215 = 695 = PPPPP EMFIL BHXLSQTC K	CW	(F5JBR)
M32	14376	19-4-2014	0515	Sat	W6KT R 675. Y3ZT R 675. XHC3 R 675. YDG2 R 675	CW	(F5JBR)
M32	14376	19-4-2014	0526	Sat	NRDJ de TIZC QTC K. NRDJ QRV K. TIZC QTC 726 24 19 0920 726 = 161 = 23055 CW 55007	CW	(F5JBR)
M32	14411	18-4-2014	1010	Fri	XXX XXX WEGI WEGI 45196 17209 AKTIDION 3190 7142 K	CW	(Avare)
M32	14665	17-4-2014	0818	Thu	XXX WEGI WEGI 88512 92577 GEMATOLIZ 1325 2117 K	CW	(JPL-Sib)
M32	16089	7-4-2014	0649	Mon	VVVV QJ7C K	CW	(BCI)
M32a	3181.5	13-4-2014	1930	Sun	RMP Russian navy Kaliningrad	CW	(w.ob)
M32a	3299	3-4-2014	2208	Thu	B97M QTC AR. B97M 810 18 4 0155 810 = 082 = PPPPP YHFF'U CNSQI G'OIPY (Cont'd)	CW	(JPL-Sib)
M32a	3798	16-4-2014	1752	Wed	RIC87 DE RCV QTC .. 7 4. 5 1550 137 = PRIP NOWOROSSUSKE. 3 KARTA 32103	CW	(JPL-Sib)
M32a	4007	3-4-2014	1744	Thu	RIC87 DE RCV QTC 216 .2 3 .53. 216 =	CW	(JPL-Sib)
M32a	5342	3-4-2014	1753	Thu	01153 24735 21644 20889 62754 15686 03029 = AR RIT K. RIT RPT RKT FM RMP K. OK QRU K	CW	(JPL-Sib)
M32a	5775	3-4-2014	1756	Thu	21 28 29 3. 3135 3637 4041 43 44 45 46 48 49 50 = RIC87 RIC87 RIC87 DE RCV QTC 213 46 3 0400 213 =	CW	(JPL-Sib)
M32a	10540	4-4-2014	0914	Fri	RJC66 DE RAA K. RAA DE RJC66 K. RAA SK. RJC67 SK	CW	(JPL-Sib)
M32a	10672	18-4-2014	1014	Fri	XXX XXX WEGI WEGI 74503 28880 AKTIWIST 8320 3514 K	CW	(F5JBR)
M32a	11000	18-4-2014	0817	Fri	RIW: Russian Navy HQ Moscow. DE RIW QSU1 QWH 13086 QXS 12260 - RMMA de RIW QSA? K 0829UTC RMMA de RIW OK QYT9 QWH	CW	(F5JBR)
M32a	12464	18-4-2014	1132	Fri	RMP de RFV99 QSU1 SK	CW	(F5JBR)
M32a	18273	11-4-2014	0444	Fri	RJD97: Russian Navy with 5LG msgs	CW	(EW)
M32b	7861.5	6-4-2014	1905	Sun	RAL2: Russian Naval Air NCS. Exchanges QSA, QRU SKs with at least RDU2, RHW2 and RBL71	CW	(MPJ)
M32b	8816	10-4-2014	1022	Thu	20901 DE RJF94 RJF94 QSA 3 QRV K.	CW	(JPL-Sib)
M32c	8029	2-4-2014	1820	Wed	W Markers	CW	(Tom)
M32c	8029	10-4-2014	1640	Thu	W-marker	CW	(AB)
M32c	8029	10-4-2014	1720	Thu	W-marker	CW	(AB)
M32c	8029	10-4-2014	1740	Thu	W-marker	CW	(AB)
M32c	8029	11-4-2014	0900	Fri	W-marker	CW	(BCI)
M32c	11408	9-4-2014	0940	Wed	XXX XXX 1QRF 1QRF 91419 ULXTIMATUM 5247 3076	CW	(JU)
M32c	11408	9-4-2014	0946	Wed	XXX XXX 1QRF 1QRF 91419 ULXTIMATUM 5247 3076	CW	(JU)
M32c	11408	9-4-2014	0949	Wed	XXX XXX 1QRF 1QRF 54419 ILXWANT 1650 9774	CW	(JU)
M32c	11408	9-4-2014	0952	Wed	19285 KAUCIAe 1354 4732	CW	(JU)
M32c	11408	9-4-2014	1007	Wed	XXX XXX 1QRF 1QRF 37614 KLYKASTYJ 5332 7360	CW	(JU)
M32c	11408	9-4-2014	1011	Wed	XXX XXX 1QRF 1QRF 19031 GLUPOWEC 3872 5945	CW	(JU)
M32c	11408	9-4-2014	1128	Wed	XXX XXX 1QRF 1QRF 98596 GLUMICA 8105 2936	CW	(JU)
M32c	11408	9-4-2014	1142	Wed	XXX XXX 1QRF 1QRF 43951 SLUKA 7132 6696 GLUBOTA 0179 0624	CW	(JU)
M41	9461	24-4-2014	1416	Thu	NR 13 A 24 16:21:07 2014 = EOWKF VOFCL ZITBA SAAJO NAYEH RFNHC DFMXW DGRQD FDIIC QMUSE ...	CW	(F5JBR)

Code	Freq	Date	UTC	Day	Remarks	Mode	Ctrb
M42	5127	3-4-2014	1920	Thu	Russian diplo/intel. 6 17	FSK 200/500	(HFD)
M42	6989	3-4-2014	1910	Thu	Russian diplo/intel. 6 17	FSK 200/500	(HFD)
M42	7945	22-4-2014	2320	Tue	Russian diplo/intel. Messages on links 40982, 40988, 08204, 20777, 00004, 61468, 45373, 45357, 40984, 00012, 40964, 00028, 32774	FSK 200/1000	(Dan)
M42	7945	29-4-2014	2320	Tue	Russian diplo/intel. Messages on links 40988, 57724, 61470, 57372, 00004, 00012, 00008, 00024, 00030, 40982, 20486, 61468, 00028, 16416	FSK 200/1000	(Dan)
M42	9073	17-4-2014	0715	Thu	Tentative Russian/CIS gov.	FSK hybrid	(Avare)
M42	9186	3-4-2014	1900	Thu	Russian diplo/intel. 6 17	FSK 200/500	(HFD)
M42	9186	10-4-2014	1900	Thu	Russian Gov/Intel. 0000++++++22162)5761 00000+++++++162)5761	Baudot 200/500	(BCI)
M42	9247	15-4-2014	2310	Tue	Russian diplo/intel. i.p. Messages on links 40988, 45084, 57372, 00028, 61469, 28700, 61468, 61501	FSK 200/1000	(Dan)
M42	9247	22-4-2014	2310	Tue	Russian diplo/intel. Messages on links 40982, 40988, 08204, 20777, 00004, 61468, 45373, 45357, 40984, 00012, 40964, 00028, 32774	FSK 200/1000	(Dan)
M42	9247	29-4-2014	2310	Tue	Russian diplo/intel. Messages on links 40964, 32768, 00008, 40988, 00028, 08204, 40968, 00000, 40972, 00020, 41512, 08198, 00012, 08220, 40980, 41118, 32796	FSK 200/1000	(Dan)
M42	10202	2-4-2014	2215	Wed	Russian diplo/intel. Message on links 49202, 49264, 00050, 49168, 32800, 49238, 49154, 24817, 36964, 57394, 12433, 49200, 24731, 16418, 24594	FSK 200/1000	(Dan)
M42	10202	9-4-2014	2215	Wed	Russian diplo/intel. Message on links 49202, 49211, 16434, 49458, 49526, 00059, 49200, 49177, 00050, 16400, 49270	FSK 200/1000	(Dan)
M42	10202	17-4-2014	2215	Thu	Russian diplo/intel. Msgs on links 49202, 53298, 53366, 57523, 36964, 16435, 49398, 00050, 49184, 49206, 49200, 57394	FSK 200/1000	(Dan)
M42	10202	23-4-2014	2215	Wed	Russian diplo/intel. Messages on links 08193, 57395, 20594, 00050, 49203	FSK 200/1000	(Dan)
M42	10202	30-4-2014	2215	Wed	Russian diplo/intel. Messages on links 49210, 57394, 49369, 49168, 49171, 49154, 49343, 16432, 49307, 57497, 58009, 49202	FSK 200/1000	(Dan)
M42	10249.9	25-4-2014	1956	Fri	Russian diplo	CROWD-36	(AAI)
M42	10250	11-4-2014	1045	Fri	Russian diplo/intel.	FSK 200/1000	(AB/Avare)
M42	10250	15-4-2014	1733	Tue	Russian Gov/intel.	MFSK-11	(Avare)
M42	10250	15-4-2014	1749	Tue	Russian Gov/intel.	MFSK-11	(Avare)
M42	10251	25-4-2014	1956	Fri	Russian diplo	CROWD-36	(AAI)
M42	11123	22-4-2014	2300	Tue	Russian diplo/intel. Messages on links 40982, 40988, 08204, 20777, 00004, 61468, 45373, 45357, 40984, 00012, 40964, 00028, 32774	FSK 200/1000	(Dan)
M42	11123	29-4-2014	2300	Tue	Russian diplo/intel. Messages on links 12306, 29750, 13334, 32796, 40988, 45340, 57404, 63004, 00048, 40964, 00004, 00006, 45084, 00030, 40972, 00028, 20486	FSK 200/1000	(Dan)
M42	11167	15-4-2014	0239	Tue	Russian DOSC. QSY 13824 K. RGP RGP RGP DE RDK RDK	CW	(JPL-Sib)
M42	12208	23-4-2014	2200	Wed	Russian diplo/intel. Messages on links 57361, 49168, 49271, 49202, 53345, 37375, 49200, 57394, 49203, 53302, 16433, 53298, 49170, 53303, 49200	FSK 200/1000	(Dan)
M42	12208	30-4-2014	2200	Wed	Russian diplo/intel. Messages on links 49154, 49202, 16434, 16409, 49200, 49440, 49207, 49168, 00000, 49211, 57394, 49334, 16432, 51250	FSK 200/1000	(Dan)
M42	14380	12-4-2014	1032	Sat	Russian diplo i.p. 47596 85771 18878 ... 12002 39880 38961 =	CW	(JPL-Sib)
M42	14380	12-4-2014	1038	Sat	Russian diplo. Header: 11100 60102 00000 12087 01003 = 5LGS = CFM QRV QRQ2 K. K. QSL 2K. NIL SK	CW	(JPL-Sib)
M42	14551	19-4-2014	1220	Sat	Russian diplo/intel. Msg 7 58	FSK 200/500	(HFD)
M42	14875	30-4-2014	0634	Wed	Russian diplo	CROWD-36	(PH)
M42	14880	2-4-2014	0230	Wed	Russian diplo/intel. Message on link 57616	FSK 200/1000	(Dan)
M42	14880	3-4-2014	0230	Thu	Russian diplo/intel. Message on link 15395	FSK 200/1000	(Dan)
M42	14880	9-4-2014	0230	Wed	Russian diplo/intel. Message on links 41018, 64432, 00032, 41023, 41022, 41016	FSK 200/1000	(Dan)
M42	14880	11-4-2014	0230	Fri	Russian diplo/intel. Message on links 12342, 45520, 40976, 00713	FSK 200/1000	(Dan)
M42	14880	14-4-2014	0230	Mon	Russian diplo/intel. Message on link 00032	FSK 200/1000	(Dan)
M42	14880	15-4-2014	0230	Tue	Russian diplo/intel.	FSK 200/1000	(Dan)
M42	14880	16-4-2014	0230	Wed	Russian diplo/intel. Msgs on links 12294, 41011, 12563, 29731, 00016	FSK 200/1000	(Dan)
M42	14880	17-4-2014	0230	Thu	Russian diplo/intel. Msgs on links 61754, 21384, 44603	FSK 200/1000	(Dan)
M42	14880	18-4-2014	0230	Fri	Russian diplo/intel.	FSK 200/1000	(Dan)
M42	14880	21-4-2014	0230	Mon	Russian diplo/intel	FSK 200/1000	(Dan)
M42	14880	22-4-2014	0230	Tue	Russian diplo/intel.	FSK 200/1000	(Dan)
M42	14880	23-4-2014	0230	Wed	Russian diplo/intel. Messages on links 39179, 06403	FSK 200/1000	(Dan)
M42	14880	24-4-2014	0230	Thu	Russian diplo/intel. Messages on links 13366, 41018, 19461	FSK 200/1000	(Dan)
M42	14880	28-4-2014	0230	Mon	Russian diplo/intel.	FSK 200/1000	(Dan)
M42	14880	30-4-2014	0230	Wed	Russian diplo/intel.	FSK 200/1000	(Dan)
M42	14881.5	21-4-2014	0815	Mon	Russian diplo	CROWD-36	(Dan)
M42	16110	11-4-2014	0813	Fri	Russian diplo. Encrypted Messages	Serdolik 32 Tone	(EW)

Code	Freq	Date	UTC	Day	Remarks	Mode	Ctrb
M42	16159	19-4-2014	1210	Sat	Russian diplo/intel. Msg 7 58	FSK 200/500	(HFD)
M42	16320	2-4-2014	0150	Wed	Russian diplo/intel. Message on links 43067, 32822, 61608	FSK 200/1000	(Dan)
M42	16320	3-4-2014	0150	Thu	Russian diplo/intel. Message on link 41002	FSK 200/1000	(Dan)
M42	16320	9-4-2014	0150	Wed	Russian diplo/intel. Message on links 02079, 41023, 49466, 16750, 49305	FSK 200/1000	(Dan)
M42	16320	11-4-2014	0150	Fri	Russian diplo/intel. Message on links 13372, 13374, 41022, 41016, 08251, 61466, 08250, 41010, 41018	FSK 200/1000	(Dan)
M42	16320	14-4-2014	0150	Mon	Russian diplo/intel.	FSK 200/1000	(Dan)
M42	16320	15-4-2014	0150	Tue	Russian diplo/intel.	FSK 200/1000	(Dan)
M42	16320	16-4-2014	0150	Wed	Russian diplo/intel. Msgs on links 28734, 63251	FSK 200/1000	(Dan)
M42	16320	17-4-2014	0150	Thu	Russian diplo/intel.	FSK 200/1000	(Dan)
M42	16320	18-4-2014	0150	Fri	Russian diplo/intel. Msgs on links 13948, 41018, 41010, 41014, 41086	FSK 200/1000	(Dan)
M42	16320	21-4-2014	0150	Mon	Russian diplo/intel	FSK 200/1000	(Dan)
M42	16320	22-4-2014	0150	Tue	Russian diplo/intel. Messages on links 13366, 26734, 14006, 00000, 02077, 34296	FSK 200/1000	(Dan)
M42	16320	23-4-2014	0150	Wed	Russian diplo/intel. Messages on links 30398, 61556, 41018	FSK 200/1000	(Dan)
M42	16320	24-4-2014	0150	Thu	Russian diplo/intel.	FSK 200/1000	(Dan)
M42	16320	28-4-2014	0150	Mon	Russian diplo/intel. Messages on links 13366, 41018, 39487	FSK 200/1000	(Dan)
M42	16320	30-4-2014	0150	Wed	Russian diplo/intel. Messages on links 08250, 41018	FSK 200/1000	(Dan)
M42	18206	19-4-2014	1200	Sat	Russian diplo/intel. Msg 7 58	FSK 200/500	(HFD)
M42	18575	17-4-2014	1254	Thu	Russian diplo. Idle signal for 30 secs	CROWD-36	(PH)
M42	18726	11-4-2014	2151	Fri	Russian diplo/intel. "464646..." call-up for "MRU" ends "QSP QSO QRU"	Baudot 75/200	(MCO)
M42	19261	1-4-2014	0925	Tue	Russian diplo	CROWD-36	(PH)
M42	19380	17-4-2014	1225	Thu	Russian diplo	CROWD-36	(AAI)
M42	19382	3-4-2014	1237	Thu	Russian diplo	CROWD-36	(PH)
M42	19513	3-4-2014	0703	Thu	Russian diplo	CROWD-36	(PH)
M42	20336	1-4-2014	0940	Tue	Russian diplo	CROWD-36	(PH)
M42	20690	28-4-2014	0812	Mon	Russian diplo	CROWD-36	(PH)
M42	20950	11-4-2014	0754	Fri	Russian diplo. Idling Mode	Serdolik 32 Tone	(EW)
M51	2811	20-4-2014	1811	Sun	Favieres/Vernon NR 84 A 22 20:14:13 2014 = AZVMN RBSXT XSQVQ UIFOL HFOOJ SIZNM IWKYH BHJEG UOWFR	CW	(F5JBR)
M51	3164	18-4-2014	0044	Fri	FAV22: French CSTEI Favieres/Vernon. NR 19 A 18 06:47:59 2014 BT ZYAXX EYVVR OJJGN XIPRZ YTNLF LBCLY FGTX 986 BT VYFLO PWQKT GHLL0 ...	CW	(F5JBR)
M51	3881	24-4-2014	0953	Thu	NR 63 A 24 11:53:15 2014 = NBCHJV NGSJR YLNQA IKQNS IQBCB EURBO IGQOT JZCTZ IOHQU ... //6825 kHz	CW	(F5JBR)
M51	4440.5	22-4-2014	0426	Tue	NR 24 A 22 06:26:45 2014 = //6853 kHz	CW	(F5JBR)
M51	4440.5	28-4-2014	0344	Mon	NR 05 A 30 08:11:16 2014 = QQQOT JZCTZ IOHQU	CW	(F5JBR)
M51	4901	23-4-2014	1752	Wed	NR 89 A 23 19:52:12 2014 = PGRTS FPANY BPLGX TPOYP HUNQL KDMDT LEB00 EHRZU YIAKE GWDFP MXNNH GZQYN ORCCO ...	CW	(F5JBR)
M51	4901	24-4-2014	0439	Thu	NR 16 A 24 06:39:11 2014 = CLFSH POJVI MNSXL IPMVJ XXXRX VVGAW QEMGB QUEUS NIUYF RWTMA AMDAG	CW	(F5JBR)
M51	5321	28-4-2014	1822	Mon	NR 26 A 28 20:25:44 2014 BT LLBCW HUKZH SWWFW IIBKL GWEOQ NKCRL ABPYI ZIYUK XESZQ	CW	(F5JBR)
M51	5453	14-4-2014	2242	Mon	= NR 59A 1500:43:38 2014 = .LQRN J.PFC PFOJB FNZNC FQXWC WGZCK (Cont&Ed)	CW	(JPL-Sib)
M51	6825	10-4-2014	1413	Thu	in progress	CW	(AB)
M51	6825	24-4-2014	0953	Thu	NR 63 A 24 11:53:15 2014 = NBCHJV NGSJR YLNQA IKQNS IQBCB EURBO IGQOT JZCTZ IOHQU ... //3881 kHz	CW	(F5JBR)
M51	6853	21-4-2014	1535	Mon	NR 78 A 21 17:36:18 2014 = UDWEV DGUOH TIKQT	CW	(F5JBR)
M51	6853	22-4-2014	0426	Tue	NR 24 A 22 06:26:45 2014 = //4440.5 kHz	CW	(F5JBR)
M51	7529	30-4-2014	1426	Wed	NR 48 A 30 16:26:33 2014 = SCZJU WBHGM XCMRP ZAAZV FUSNE GUWYH	CW	(F5JBR)
M51	7535	28-4-2014	0344	Mon	NR 05 A 30 08:11:16 2014 = QQQOT JZCTZ IOHQU	CW	(F5JBR)
M51	8016	20-4-2014	1739	Sun	Favieres/Vernon NR 79 A 22 19:43:02 2014 = SYCFB LRSHY EWFSF TCSAE DWXUN ZUGKR IEXDG ITENO WXQTV YZMOO BSBDF EEQSP NCUOL KRBJP HCMYY JVUPA IWUUS PBTGL DNHUA AOVXW	CW	(F5JBR)
M51	8106	13-4-2014	1945	Sun	= NR07 A 08 21:44:51 2014 = EAEGD IPWIV RAJCY CIPYU OMYXJ ... (13Apr14) (MPJ)	CW	(MPJ)
M51	8106	14-4-2014	0145	Mon	UEVZQ QBOTB HTZCE PYSXZ IUNJH VGXVU (Cont&Ed) = NR 57A 0902:51:522 2014 =	CW	(JPL-Sib)
M51	8816	20-4-2014	1811	Sun	Favieres/Vernon NR 84 A 22 20:14:13 2014 = AZVMN RBSXT XSQVQ UIFOL HFOOJ SIZNM IWKYH BHJEG UOWFR	CW	(F5JBR)
M51	11574.5	1-4-2014	0036	Tue	5LGs	CW	(MCO)
M51a	6825	20-4-2014	0700	Sun	VVV VVV VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 kHz Lecon 02-2/1 Vitesse 420 clair	CW	(AB)

Code	Freq	Date	UTC	Day	Remarks	Mode	Ctrb
M51a	6825	20-4-2014	0815	Sun	vvv de fav22 fav22 fav22 qlh 3881/6825khz vitesse annoncees legerement superieures. samedi/dimanche 2/lecon n1/2 vitesse 600 code	CW	(AB)
M89	3330	1-4-2014	1725	Tue	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
M89	3330	3-4-2014	1501	Thu	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
M89	3330	4-4-2014	1837	Fri	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
M89	3330	5-4-2014	1535	Sat	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
M89	3330	6-4-2014	1513	Sun	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
M89	3330	8-4-2014	1253	Tue	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
M89	3330	9-4-2014	1607	Wed	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
M89	3330	10-4-2014	1006	Thu	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
M89	3330	10-4-2014	1312	Thu	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
M89	3330	10-4-2014	1906	Thu	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
M89	3330	11-4-2014	1914	Fri	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
M89	3330	12-4-2014	1631	Sat	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
M89	3330	14-4-2014	1731	Mon	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
M89	3330	15-4-2014	1944	Tue	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
M89	3330	16-4-2014	1825	Wed	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
M89	3330	18-4-2014	1325	Fri	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
M89	3330	21-4-2014	1619	Mon	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
M89	3330	22-4-2014	2102	Tue	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
M89	3330	25-4-2014	1408	Fri	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
M89	3330	28-4-2014	1302	Mon	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
M89	3330	29-4-2014	1746	Tue	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
M89	3330	30-4-2014	1816	Wed	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
M89	3565	1-4-2014	1728	Tue	V SXL6 (x3) DE 9QFZ (x2) (Cont'd) //4142	CW	(JPL)
M89	3565	3-4-2014	1505	Thu	V SXL6 (x3) DE 9QFZ (x2) (Cont'd) //4142	CW	(JPL)
M89	3565	4-4-2014	1843	Fri	V SXL6 (x3) DE 9QFZ (x2) (Cont'd) //4142	CW	(JPL)
M89	3565	5-4-2014	1533	Sat	V SXL6 (x3) DE 9QFZ (x2) (Cont'd) //4142	CW	(JPL)
M89	3565	6-4-2014	1510	Sun	V SXL6 (x3) DE 9QFZ (x2) (Cont'd) //3565	CW	(JPL)
M89	3565	8-4-2014	1255	Tue	V SXL6 (x3) DE 9QFZ (x2) (Cont'd) //4142	CW	(JPL)
M89	3565	10-4-2014	1313	Thu	V SXL6 (x3) DE 9QFZ (x2) (Cont'd) //4142	CW	(JPL)
M89	3565	11-4-2014	1915	Fri	V SXL6 (x3) DE 9QFZ (x2) (Cont'd) //4142	CW	(JPL)
M89	3565	12-4-2014	1629	Sat	V SXL6 (x3) DE 9QFZ (x2) (Cont'd) //4142	CW	(JPL)
M89	3565	14-4-2014	1732	Mon	V SXL6 (x3) DE 9QFZ (x2) (Cont'd) //4142	CW	(JPL)
M89	3565	15-4-2014	1318	Tue	V SXL6 (x3) DE 9QFZ (x2) (Cont'd) //4142	CW	(JPL)
M89	3642	1-4-2014	1319	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
M89	3642	2-4-2014	0307	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
M89	3642	3-4-2014	1502	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
M89	3642	4-4-2014	1848	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
M89	3642	6-4-2014	1514	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
M89	3642	8-4-2014	1338	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
M89	3642	9-4-2014	1609	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
M89	3642	12-4-2014	1633	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
M89	3642	14-4-2014	1734	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5230	CW	(JPL)
M89	3642	15-4-2014	1823	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
M89	3642	16-4-2014	1513	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
M89	3642	17-4-2014	1342	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
M89	3642	18-4-2014	1337	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
M89	3642	21-4-2014	1609	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
M89	3642	22-4-2014	2104	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
M89	3642	26-4-2014	0008	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
M89	3642	28-4-2014	1501	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
M89	3642	30-4-2014	1755	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
M89	3677	25-4-2014	1420	Fri	V TY9D (x3) DE EPX2 (x2) (Cont'd)	CW	(JPL)
M89	3677	25-4-2014	1602	Fri	V TY9D (x3) DE EPX2 (x2) (Cont'd)	CW	(JPL)
M89	3677	26-4-2014	1101	Sat	V TY9D (x3) DE EPX2 (x2) (Cont'd)	CW	(JPL)
M89	3677	28-4-2014	1259	Mon	V TY9D (x3) DE EPX2 (x2) (Cont'd)	CW	(JPL)
M89	3677	29-4-2014	1246	Tue	V TY9D (x3) DE EPX2 (x2) (Cont'd)	CW	(JPL)
M89	3797	1-4-2014	1056	Tue	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL)
M89	3797	1-4-2014	1731	Tue	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL)
M89	3797	3-4-2014	1527	Thu	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL)
M89	3797	4-4-2014	1018	Fri	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL)

Code	Freq	Date	UTC	Day	Remarks	Mode	Ctrb
M89	3797	5-4-2014	1536	Sat	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL)
M89	3797	8-4-2014	1257	Tue	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL)
M89	3797	9-4-2014	1611	Wed	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL)
M89	3797	10-4-2014	1004	Thu	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL)
M89	3797	10-4-2014	1315	Thu	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL)
M89	3797	10-4-2014	1923	Thu	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL)
M89	3797	11-4-2014	1919	Fri	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL)
M89	3797	12-4-2014	1634	Sat	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL)
M89	3797	15-4-2014	1055	Tue	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	(JPL)
M89	3797	18-4-2014	1329	Fri	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL)
M89	3797	21-4-2014	1627	Mon	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL)
M89	3797	22-4-2014	1130	Tue	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL)
M89	3797	25-4-2014	1115	Fri	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL)
M89	3797	26-4-2014	1059	Sat	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL)
M89	3797	28-4-2014	1254	Mon	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL)
M89	3797	29-4-2014	1243	Tue	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL)
M89	3797	30-4-2014	1125	Wed	V H2FL (x3) DE DRV8 (x2) (Cont'd) //4512	CW	(JPL)
M89	3820	1-4-2014	1729	Tue	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
M89	3820	3-4-2014	1507	Thu	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
M89	3820	4-4-2014	1850	Fri	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
M89	3820	5-4-2014	1538	Sat	V TKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
M89	3820	8-4-2014	1259	Tue	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
M89	3820	9-4-2014	1613	Wed	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
M89	3820	10-4-2014	1317	Thu	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
M89	3820	10-4-2014	1910	Thu	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
M89	3820	11-4-2014	1925	Fri	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
M89	3820	12-4-2014	1636	Sat	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
M89	3820	14-4-2014	1737	Mon	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
M89	3820	15-4-2014	1319	Tue	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
M89	3820	16-4-2014	1514	Wed	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
M89	3820	16-4-2014	1827	Wed	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
M89	3820	18-4-2014	1331	Fri	V GKLO (x3) DE TYUI (x2) (Cont'd)	CW	(JPL)
M89	3820	21-4-2014	1629	Mon	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
M89	3820	22-4-2014	1133	Tue	V GKLO (x3) DE TYUI (x2) (Cont'd)	CW	(JPL)
M89	3820	25-4-2014	1111	Fri	V GKLO (x3) DE TYUI (x2) (Cont'd)	CW	(JPL)
M89	3820	25-4-2014	1412	Fri	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
M89	3820	28-4-2014	1257	Mon	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
M89	3820	29-4-2014	1245	Tue	V GKLO (x3) DE TYUI (x2) (Cont'd) //5657	CW	(JPL)
M89	3820	30-4-2014	1759	Wed	V GKLO (x3) DE TYUI (x2) (Cont'd)	CW	(JPL)
M89	3856	6-4-2014	1538	Sun	DE V9BT QSA 2 K. R GA. R CK QSL 2346 K (see N&O 199)	CW	(JPL)
M89	3898	8-4-2014	1404	Tue	In tfc: RMKS CQ = 4TD3 64AD 4? 4576 NDTA A75U (see N&O99)	CW	(JPL)
M89	4123	10-4-2014	1917	Thu	In tfc: = U7T5 4N3D T7.5 3N6A 4TU6 D.N6 5N4D (Cont'd) AR K. OK QSL 0321 K. OK SK P K. OK	CW	(JPL)
M89	4131	3-4-2014	1513	Thu	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
M89	4131	4-4-2014	1845	Fri	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
M89	4131	5-4-2014	1530	Sat	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
M89	4131	6-4-2014	1519	Sun	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
M89	4131	9-4-2014	1640	Wed	V JKDJ (x3) DE SLBC (x2) (Cont'd) //9383	CW	(JPL)
M89	4131	10-4-2014	1914	Thu	V JKDJ (x3) DE SLBC (x2) (Cont'd) //9383	CW	(JPL)
M89	4131	14-4-2014	1739	Mon	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
M89	4131	16-4-2014	1521	Wed	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
M89	4131	25-4-2014	1434	Fri	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
M89	4131	29-4-2014	1527	Tue	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
M89	4131	29-4-2014	1757	Tue	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
M89	4142	1-4-2014	1728	Tue	V SXL6 (x3) DE 9QFZ (x2) (Cont'd) //3565	CW	(JPL)
M89	4142	3-4-2014	1505	Thu	V SXL6 (x3) DE 9QFZ (x2) (Cont'd) //3565	CW	(JPL)
M89	4142	4-4-2014	1843	Fri	V SXL6 (x3) DE 9QFZ (x2) (Cont'd) //3565	CW	(JPL)
M89	4142	5-4-2014	1533	Sat	V SXL6 (x3) DE 9QFZ (x2) (Cont'd) //3565	CW	(JPL)
M89	4142	6-4-2014	1329	Sun	V SXL6 (x3) DE 9QFZ (x2) (Cont'd)	CW	(JPL)
M89	4142	6-4-2014	1510	Sun	V SXL6 (x3) DE 9QFZ (x2) (Cont'd) //3565	CW	(JPL)
M89	4142	8-4-2014	1255	Tue	V SXL6 (x3) DE 9QFZ (x2) (Cont'd) //3565	CW	(JPL)
M89	4142	10-4-2014	1313	Thu	V SXL6 (x3) DE 9QFZ (x2) (Cont'd) //3565	CW	(JPL)

Code	Freq	Date	UTC	Day	Remarks	Mode	Ctrb
M89	4142	10-4-2014	1913	Thu	V SXL6 (x3) DE 9QFZ (x2) (Cont'd) //3565	CW	(JPL)
M89	4142	11-4-2014	1915	Fri	V SXL6 (x3) DE 9QFZ (x2) (Cont'd) //3565	CW	(JPL)
M89	4142	12-4-2014	1629	Sat	V SXL6 (x3) DE 9QFZ (x2) (Cont'd) //3565	CW	(JPL)
M89	4142	14-4-2014	1732	Mon	V SXL6 (x3) DE 9QFZ (x2) (Cont'd) //3565	CW	(JPL)
M89	4142	15-4-2014	1318	Tue	V SXL6 (x3) DE 9QFZ (x2) (Cont'd) //3565	CW	(JPL)
M89	4202	3-4-2014	2221	Thu	In tfc: 674A 73.N DNAT 354U (Cont'd) AR AR K. RPT 54W = 5A4D K	CW	(JPL)
M89	4225	5-4-2014	0929	Sat	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL)
M89	4225	8-4-2014	1301	Tue	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL)
M89	4225	22-4-2014	1136	Tue	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL)
M89	4225	29-4-2014	1751	Tue	V 7NPE (x3) DE QV5B (x2) (Cont'd) //5500	CW	(JPL)
M89	4512	1-4-2014	1056	Tue	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	(JPL)
M89	4512	1-4-2014	1731	Tue	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	(JPL)
M89	4512	3-4-2014	1527	Thu	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	(JPL)
M89	4512	4-4-2014	1018	Fri	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	(JPL)
M89	4512	5-4-2014	1536	Sat	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	(JPL)
M89	4512	7-4-2014	1257	Mon	H2FL H2FL H2FL DE DRV8 DRV8 V	CW	(Token)
M89	4512	8-4-2014	1257	Tue	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	(JPL)
M89	4512	9-4-2014	1611	Wed	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	(JPL)
M89	4512	10-4-2014	1004	Thu	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	(JPL)
M89	4512	10-4-2014	1315	Thu	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	(JPL)
M89	4512	10-4-2014	1923	Thu	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	(JPL)
M89	4512	11-4-2014	1919	Fri	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	(JPL)
M89	4512	12-4-2014	1634	Sat	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	(JPL)
M89	4512	14-4-2014	1736	Mon	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	(JPL)
M89	4512	18-4-2014	1329	Fri	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	(JPL)
M89	4512	21-4-2014	1627	Mon	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	(JPL)
M89	4512	22-4-2014	1130	Tue	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	(JPL)
M89	4512	25-4-2014	1115	Fri	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	(JPL)
M89	4512	26-4-2014	1059	Sat	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	(JPL)
M89	4512	28-4-2014	1254	Mon	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	(JPL)
M89	4512	29-4-2014	1243	Tue	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	(JPL)
M89	4512	30-4-2014	1125	Wed	V H2FL (x3) DE DRV8 (x2) (Cont'd) //3797	CW	(JPL)
M89	4720	11-4-2014	1237	Fri	In tfc: NU36 5453 4A75 (Cont'd) III 25P = = 65A6 4AA2 46N6 NTD5 674A (Cont'd)	CW	(JPL)
M89	4860	9-4-2014	1620	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
M89	4860	10-4-2014	1320	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
M89	4860	11-4-2014	1920	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
M89	4860	16-4-2014	1820	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
M89	4860	21-4-2014	1620	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
M89	4860	30-4-2014	1820	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
M89	5115	3-4-2014	1533	Thu	In tfc: 67N3 543U 4567 D753 76A4 (Cont'd) AR QSL? K. R OK GA	CW	(JPL)
M89	5135	16-4-2014	1803	Wed	V 6TRW (x3) DE J9NS (x2) (Cont'd)	CW	(JPL)
M89	5135	16-4-2014	1819	Wed	V 6TRW (x3) DE J9NS (x2) (Cont'd)	CW	(JPL)
M89	5177	12-4-2014	1650	Sat	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
M89	5177	15-4-2014	1326	Tue	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
M89	5177	16-4-2014	1521	Wed	In tfc: 7UT3 A64D U56N DTU4 SUTN 53AN T35N (Cont'd)	CW	(JPL)
M89	5177	18-4-2014	1340	Fri	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
M89	5177	30-4-2014	1806	Wed	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
M89	5200	8-4-2014	1339	Tue	In tfc: = U473 TUUT TTTT AA5A N577 6D4N TNTT (see N&O 199)	CW	(JPL)
M89	5230	14-4-2014	1734	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
M89	5230	16-4-2014	1812	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
M89	5230	29-4-2014	1302	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
M89	5230	29-4-2014	1536	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //7602	CW	(JPL)
M89	5292	4-4-2014	0938	Fri	In chat: VV BLQH DE GL7Q K	CW	(JPL)
M89	5322	17-4-2014	1345	Thu	In tfc: NT3A 5T3N UAD6 ND55 STD3 (Cont'd) AR	CW	(JPL)
M89	5334	29-4-2014	1302	Tue	In tfc: 43NT 76.T A.N5. AR QSL K. R HR .R. 67W BUTA BUTA K. R U 7G GA K. GA CW	(JPL)	
M89	5460	8-4-2014	1931	Tue	In tfc: AR OK HR GA K. R 7G/16/CCK CK 102 92 0409 0330 RMKS 2247 TO 9782 CW K	(JPL)	
M89	5500	5-4-2014	0929	Sat	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL)
M89	5500	8-4-2014	1301	Tue	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL)
M89	5500	21-4-2014	1301	Mon	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL)
M89	5500	22-4-2014	1136	Tue	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL)

Code	Freq	Date	UTC	Day	Remarks	Mode	Ctrb
M89	5500	28-4-2014	1256	Mon	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL)
M89	5500	29-4-2014	1751	Tue	V 7NPE (x3) DE QV5B (x2) (Cont'd) //4225	CW	(JPL)
M89	5500	30-4-2014	1818	Wed	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL)
M89	5500	30-4-2014	2253	Wed	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL)
M89	5555	22-4-2014	1137	Tue	In tfc: GA K. 0900 R 0 OK OOO 00 EEE OB NI2B K (see N&O 199)	CW	(JPL)
M89	5555	26-4-2014	1108	Sat	In tfc: U77D 5D6U 5UTA (Cont'Ed)	CW	(JPL)
M89	5562	1-4-2014	1054	Tue	V SXL6 (x3) DE 9QFZ (x2) (Cont'd)	CW	(JPL)
M89	5562	3-4-2014	0950	Thu	V SXL6 (x3) DE 9QFZ (x2) (Cont'd)	CW	(JPL)
M89	5562	4-4-2014	1029	Fri	V SXL6 (x3) DE 9QFZ (x2) (Cont'd) //6751	CW	(JPL)
M89	5562	5-4-2014	0935	Sat	V SXL6 (x3) DE 9QFZ (x2) (Cont'd)	CW	(JPL)
M89	5562	6-4-2014	0906	Sun	V SXL6 (x3) DE 9QFZ (x2) (Cont'd)	CW	(JPL)
M89	5562	7-4-2014	0958	Mon	V SXL6 (x3) DE 9QFZ (x2) (Cont'd)	CW	(JPL)
M89	5562	8-4-2014	1002	Tue	V SXL6 (x3) DE 9QFZ (x2) (Cont'd)	CW	(JPL)
M89	5562	9-4-2014	1626	Wed	V SXL6 (x3) DE 9QFZ (x2) (Cont'd)	CW	(JPL)
M89	5588	1-4-2014	1018	Tue	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
M89	5588	1-4-2014	1055	Tue	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
M89	5588	3-4-2014	0952	Thu	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
M89	5588	4-4-2014	1025	Fri	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
M89	5588	8-4-2014	1001	Tue	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
M89	5588	15-4-2014	1052	Tue	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
M89	5588	18-4-2014	1018	Fri	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
M89	5588	25-4-2014	1117	Fri	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
M89	5588	26-4-2014	1104	Sat	V MW3D (x3) DE 2SLC (x2) (Cont'd)	CW	(JPL)
M89	5600	9-4-2014	2208	Wed	In tfc: 63N7 43.N DT36 3A4T TAU4 (Cont'd) III = = T6ND 6T4D NU73 .DTN TD64	CW	(JPL)
M89	5657	1-4-2014	1729	Tue	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
M89	5657	3-4-2014	1507	Thu	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
M89	5657	4-4-2014	1850	Fri	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
M89	5657	5-4-2014	1538	Sat	V TKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
M89	5657	8-4-2014	1259	Tue	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
M89	5657	9-4-2014	1613	Wed	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
M89	5657	10-4-2014	1317	Thu	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
M89	5657	10-4-2014	1910	Thu	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
M89	5657	11-4-2014	1925	Fri	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
M89	5657	12-4-2014	1636	Sat	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
M89	5657	14-4-2014	1737	Mon	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
M89	5657	15-4-2014	1319	Tue	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
M89	5657	16-4-2014	1514	Wed	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
M89	5657	16-4-2014	1827	Wed	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
M89	5657	21-4-2014	1629	Mon	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
M89	5657	25-4-2014	1412	Fri	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
M89	5657	28-4-2014	1257	Mon	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
M89	5657	29-4-2014	1245	Tue	V GKLO (x3) DE TYUI (x2) (Cont'd) //3820	CW	(JPL)
M89	5801	1-4-2014	1010	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
M89	5801	2-4-2014	1051	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
M89	5801	3-4-2014	1015	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
M89	5801	4-4-2014	0229	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
M89	5801	4-4-2014	0918	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
M89	5801	5-4-2014	0922	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
M89	5801	5-4-2014	1132	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
M89	5801	6-4-2014	0839	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
M89	5801	7-4-2014	0155	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
M89	5801	7-4-2014	1010	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
M89	5801	8-4-2014	1016	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
M89	5801	8-4-2014	1037	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //8101//10180	CW	(JPL)
M89	5801	9-4-2014	0308	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
M89	5801	9-4-2014	1101	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
M89	5801	11-4-2014	0211	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
M89	5801	11-4-2014	1219	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
M89	5801	12-4-2014	0211	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
M89	5801	12-4-2014	1030	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
M89	5801	14-4-2014	1025	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)

Code	Freq	Date	UTC	Day	Remarks	Mode	Ctrb
M89	5801	15-4-2014	0246	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
M89	5801	16-4-2014	1012	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
M89	5801	17-4-2014	0141	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
M89	5801	17-4-2014	0834	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
M89	5801	25-4-2014	1103	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //10180	CW	(JPL)
M89	5810	11-4-2014	1232	Fri	In tfc: T5N3	CW	(JPL)
M89	6637	3-4-2014	1548	Thu	In tfc: N4T5 T6A3 N7UU 7DAA NAA6 NT73 (see N&O 199)	CW	(JPL)
M89	6751	4-4-2014	1029	Fri	V SXL6 (x3) DE 9QFZ (x2) (Cont'd) //5562	CW	(JPL)
M89	6751	10-4-2014	1014	Thu	In callup: DE G68J QSA1 QSA? K. G68J QSA3 K (see N&O 199)	CW	(JPL)
M89	6773	3-4-2014	2232	Thu	V H2FL (x3) DE DRV8 (x2) (Cont'd) //8040	CW	(JPL)
M89	6773	5-4-2014	0931	Sat	V H2FL (x3) DE DRV8 (x2) (Cont'd)	CW	(JPL)
M89	6835	14-4-2014	1044	Mon	In tfc: 05 05 05 05 05 (Cont'Ed) QSA? NO K QSA1. 05 05 05 05 (Cont'Ed)	CW	(JPL)
M89	6840	1-4-2014	1020	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //10640	CW	(JPL)
M89	6840	1-4-2014	1320	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K	CW	(JPL)
M89	6840	1-4-2014	1920	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K	CW	(JPL)
M89	6840	2-4-2014	0320	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //10640	CW	(JPL)
M89	6840	2-4-2014	1922	Wed	vvv Q2M Q2M Q2M de NY NY	CW	(FN)
M89	6840	4-4-2014	1020	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //10640	CW	(JPL)
M89	6840	5-4-2014	1120	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //10640	CW	(JPL)
M89	6840	6-4-2014	0120	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //10640	CW	(JPL)
M89	6840	8-4-2014	2320	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //10640	CW	(JPL)
M89	6840	9-4-2014	0320	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //10640	CW	(JPL)
M89	6840	9-4-2014	1620	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //4860	CW	(JPL)
M89	6840	10-4-2014	1320	Thu	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //4860	CW	(JPL)
M89	6840	11-4-2014	0220	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //10640	CW	(JPL)
M89	6840	11-4-2014	1220	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //10640	CW	(JPL)
M89	6840	11-4-2014	1920	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //4860	CW	(JPL)
M89	6840	11-4-2014	2120	Fri	VVV Q2M Q2M Q2M DE NYZ NYZ	CW	(Topol)
M89	6840	12-4-2014	0220	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //10640	CW	(JPL)
M89	6840	15-4-2014	1320	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K	CW	(JPL)
M89	6840	16-4-2014	1820	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //4860	CW	(JPL)
M89	6840	18-4-2014	1020	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //10640	CW	(JPL)
M89	6840	21-4-2014	1620	Mon	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //4860	CW	(JPL)
M89	6840	26-4-2014	0020	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //10640	CW	(JPL)
M89	6840	30-4-2014	1120	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //10640	CW	(JPL)
M89	6840	30-4-2014	1820	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //4860	CW	(JPL)
M89	6876	3-4-2014	1303	Thu	In tfc: VV J4RT DE F8UY K. R BJPQ DE B6TW R QSA 2 RB JPBQ DE B6TW DR (see N&O 199)	CW	(JPL)
M89	6936	15-4-2014	1827	Tue	In tfc: TU6U D733 T6A3 TU53 TA4U T5U5 T3T6 4UN4. 117W BT AS AS	CW	(JPL)
M89	6970	4-4-2014	0925	Fri	In chat: R NIL NIL SK. VV ANC2 DE ZBC7 K	CW	(JPL)
M89	6970	15-4-2014	0309	Tue	In tfc: GA HR MSG GA. MSG NR .92/EX CK 99 86 0415 1100 (see N&O 199)	CW	(JPL)
M89	7582	6-4-2014	0107	Sun	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL)
M89	7582	6-4-2014	0854	Sun	V 7NPE (x3) DE QV5B (x2) (Cont'd) //8110	CW	(JPL)
M89	7582	7-4-2014	0104	Mon	V 7NPE (x3) DE QV5B (x2) (Cont'd) //8110	CW	(JPL)
M89	7582	7-4-2014	0955	Mon	V 7NPE (x3) DE QV5B (x2) (Cont'd) //8110	CW	(JPL)
M89	7582	8-4-2014	0959	Tue	V 7NPE (x3) DE QV5B (x2) (Cont'd) //8110	CW	(JPL)
M89	7602	1-4-2014	1319	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
M89	7602	2-4-2014	0307	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
M89	7602	3-4-2014	1502	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
M89	7602	4-4-2014	1848	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
M89	7602	6-4-2014	1326	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
M89	7602	6-4-2014	1514	Sun	3A7D: VVV HR SVC GA. NR 36 2300 RMKS 1349 TO 1194/1329 = //3642	CW	(JPL)
M89	7602	8-4-2014	1338	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
M89	7602	9-4-2014	1609	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
M89	7602	11-4-2014	1918	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
M89	7602	12-4-2014	1633	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
M89	7602	15-4-2014	1823	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
M89	7602	16-4-2014	1513	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
M89	7602	16-4-2014	1812	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5230	CW	(JPL)
M89	7602	17-4-2014	1342	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
M89	7602	18-4-2014	1337	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
M89	7602	21-4-2014	1609	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)

Code	Freq	Date	UTC	Day	Remarks	Mode	Ctrb
M89	7602	25-4-2014	1410	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
M89	7602	26-4-2014	0008	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
M89	7602	28-4-2014	1501	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
M89	7602	29-4-2014	1302	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5230	CW	(JPL)
M89	7602	29-4-2014	1536	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5230	CW	(JPL)
M89	7602	30-4-2014	1755	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //3642	CW	(JPL)
M89	7711	9-4-2014	0252	Wed	19W = = N7UA N7UA. QSL 1052. Both stations on this freq. (see N&O 199)	CW	(JPL)
M89	7811	8-4-2014	1021	Tue	In tfc: D733 AR AR AR W W SOK Q QSL 1842 (Both stations on this frequency)	CW	(JPL)
M89	7841	9-4-2014	0302	Wed	In tfc: NDU4 7TA5 NDUT (Cont'd)	CW	(JPL)
M89	7894	9-4-2014	1632	Wed	In tfc: NTA6 7D53 57D6 53AU 7UTU D4A6 (Cont'd) AR K	CW	(JPL)
M89	8040	3-4-2014	2232	Thu	V H2FL (x3) DE DRV8 (x2) (Cont'd) //6773	CW	(JPL)
M89	8054	6-4-2014	1332	Sun	In tfc: 3D7N N7NE E EEE .. MSG NR 267 CK 299 42 0406 2126 RMKS 4904 TO 8979 K	CW	(JPL)
M89	8072	1-4-2014	1017	Tue	V GKLO (x3) DE TYUI (x2) (Cont'd) //10421	CW	(JPL)
M89	8072	1-4-2014	1049	Tue	V GKLO (x3) DE TYUI (x2) (Cont'd) //10421	CW	(JPL)
M89	8072	2-4-2014	1049	Wed	V GKLO (x3) DE TYUI (x2) (Cont'd) //10421	CW	(JPL)
M89	8072	3-4-2014	0946	Thu	V GKLO (x3) DE TYUI (x2) (Cont'd)	CW	(JPL)
M89	8072	4-4-2014	1015	Fri	V GKLO (x3) DE TYUI (x2) (Cont'd)	CW	(JPL)
M89	8072	5-4-2014	0926	Sat	V TKLO (x3) DE TYUI (x2) (Cont'd) //10421	CW	(JPL)
M89	8072	6-4-2014	0850	Sun	V TKLO (x3) DE TYUI (x2) (Cont'd) //10421	CW	(JPL)
M89	8072	8-4-2014	0955	Tue	V GKLO (x3) DE TYUI (x2) (Cont'd) //10421	CW	(JPL)
M89	8072	10-4-2014	0959	Thu	V GKLO (x3) DE TYUI (x2) (Cont'd)	CW	(JPL)
M89	8072	14-4-2014	1018	Mon	V GKLO (x3) DE TYUI (x2) (Cont'd) //10640	CW	(JPL)
M89	8072	15-4-2014	1048	Tue	V GKLO (x3) DE TYUI (x2) (Cont'd) //10421	CW	(JPL)
M89	8072	16-4-2014	1017	Wed	V GKLO (x3) DE TYUI (x2) (Cont'd)	CW	(JPL)
M89	8072	17-4-2014	0149	Thu	V GKLO (x3) DE TYUI (x2) (Cont'd)	CW	(JPL)
M89	8072	18-4-2014	1014	Fri	V GKLO (x3) DE TYUI (x2) (Cont'd) //10421	CW	(JPL)
M89	8101	8-4-2014	1037	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801//10180	CW	(JPL)
M89	8110	5-4-2014	0929	Sat	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL)
M89	8110	6-4-2014	0854	Sun	V 7NPE (x3) DE QV5B (x2) (Cont'd) //7582	CW	(JPL)
M89	8110	7-4-2014	0055	Mon	V 7NPE (x3) DE QV5B (x2) (Cont'd) //7582	CW	(JPL)
M89	8110	7-4-2014	0104	Mon	V 7NPE (x3) DE QV5B (x2) (Cont'd) //7582	CW	(JPL)
M89	8110	8-4-2014	0959	Tue	V 7NPE (x3) DE QV5B (x2) (Cont'd) //7582	CW	(JPL)
M89	8110	28-4-2014	0328	Mon	V 7NPE (x3) DE QV5B (x2) (Cont'd)	CW	(JPL)
M89	8112	12-4-2014	1639	Sat	In tfc: 5D67 DT44 DA4T 76.T AND. (Cont'd)	CW	(JPL)
M89	8167	29-4-2014	1313	Tue	In tfc: N635 TN53 .476 3TAD (Cont'd)	CW	(JPL)
M89	8183	3-4-2014	1243	Thu	In tfc: TO 5432 K. R GA (Both stations on this frequency)	CW	(JPL)
M89	8236	10-4-2014	1029	Thu	In tfc: = TU34 TAT4 D67EEE J234 TAT4D TAT4D 67EEEE (see N&O 199)	CW	(JPL)
M89	8244	3-4-2014	1243	Thu	In tfc: ND3U D7D5 7AU? 7AA3 T5T4 53U4 (Cont'd)	CW	(JPL)
M89	8385	4-4-2014	0208	Fri	In tfc: 435? 3? PSE YR V R TC BFEQ WK AAHR KSNIL SPSE YR	CW	(JPL)
M89	8810	15-4-2014	0249	Tue	In tfc: 7TTU TU.3 TTT4 N5U3 N7UA 7455 (see N&O 199)	CW	(JPL)
M89	8888	2-4-2014	0312	Wed	In tfc: AR K. 8W = DTA6 K. R U GA. 11W = AT4U AR K (see N&O 199)	CW	(JPL)
M89	9311	8-4-2014	1021	Tue	(n tfc: U5UT N5T3 D733 N6NA (Cont'd) AR	CW	(JPL)
M89	9383	6-4-2014	0842	Sun	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
M89	9383	7-4-2014	1012	Mon	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
M89	9383	8-4-2014	1019	Tue	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
M89	9383	9-4-2014	1103	Wed	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
M89	9383	9-4-2014	1615	Wed	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
M89	9383	9-4-2014	1640	Wed	V JKDJ (x3) DE SLBC (x2) (Cont'd) //4131	CW	(JPL)
M89	9383	10-4-2014	1012	Thu	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
M89	9383	10-4-2014	1914	Thu	V JKDJ (x3) DE SLBC (x2) (Cont'd) //4131	CW	(JPL)
M89	9383	11-4-2014	0214	Fri	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
M89	9383	11-4-2014	1225	Fri	V JKDJ (x3) DE SLBC (x2) (Cont'd)	CW	(JPL)
M89	10180	1-4-2014	1010	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
M89	10180	2-4-2014	1051	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
M89	10180	3-4-2014	1015	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
M89	10180	4-4-2014	0229	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
M89	10180	4-4-2014	0918	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
M89	10180	5-4-2014	1132	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
M89	10180	6-4-2014	0839	Sun	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
M89	10180	7-4-2014	0155	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
M89	10180	7-4-2014	1010	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)

Code	Freq	Date	UTC	Day	Remarks	Mode	Ctrb
M89	10180	8-4-2014	1016	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
M89	10180	8-4-2014	1037	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801//8101	CW	(JPL)
M89	10180	9-4-2014	0308	Wed	A6DU 4UT5 7D64 A57N (Cont'd) AR QSL? HR WK NR 29 V DKG6 DE 3A7D //5801	CW	(JPL)
M89	10180	9-4-2014	1101	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
M89	10180	10-4-2014	0956	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
M89	10180	11-4-2014	0211	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
M89	10180	11-4-2014	1219	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
M89	10180	12-4-2014	0211	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
M89	10180	12-4-2014	1030	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
M89	10180	14-4-2014	1025	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
M89	10180	15-4-2014	0246	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
M89	10180	16-4-2014	1012	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
M89	10180	17-4-2014	0141	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
M89	10180	17-4-2014	0834	Thu	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
M89	10180	18-4-2014	1003	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
M89	10180	22-4-2014	1127	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
M89	10180	23-4-2014	0927	Wed	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
M89	10180	25-4-2014	1103	Fri	V DKG6 (x3) DE 3A7D (x2) (Cont'd) //5801	CW	(JPL)
M89	10180	26-4-2014	0918	Sat	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
M89	10180	28-4-2014	0323	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
M89	10180	28-4-2014	1252	Mon	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
M89	10180	29-4-2014	1238	Tue	V DKG6 (x3) DE 3A7D (x2) (Cont'd)	CW	(JPL)
M89	10421	1-4-2014	1009	Tue	V GKLO (x3) DE TYUI (x2) (Cont'd)	CW	(JPL)
M89	10421	1-4-2014	1017	Tue	V GKLO (x3) DE TYUI (x2) (Cont'd) //8072	CW	(JPL)
M89	10421	1-4-2014	1049	Tue	V GKLO (x3) DE TYUI (x2) (Cont'd) //8072	CW	(JPL)
M89	10421	2-4-2014	1049	Wed	V GKLO (x3) DE TYUI (x2) (Cont'd) //8072	CW	(JPL)
M89	10421	5-4-2014	0926	Sat	V TKLO (x3) DE TYUI (x2) (Cont'd) //8072	CW	(JPL)
M89	10421	6-4-2014	0850	Sun	V TKLO (x3) DE TYUI (x2) (Cont'd) //8072	CW	(JPL)
M89	10421	8-4-2014	0955	Tue	V GKLO (x3) DE TYUI (x2) (Cont'd) //8072	CW	(JPL)
M89	10421	14-4-2014	1018	Mon	V GKLO (x3) DE TYUI (x2) (Cont'd) //8072	CW	(JPL)
M89	10421	15-4-2014	1048	Tue	V GKLO (x3) DE TYUI (x2) (Cont'd) //8072	CW	(JPL)
M89	10421	18-4-2014	1014	Fri	V GKLO (x3) DE TYUI (x2) (Cont'd) //8072	CW	(JPL)
M89	10616	14-4-2014	1021	Mon	In tfc: N3D7 6D3U AR (1021z silent)	CW	(JPL)
M89	10640	1-4-2014	1020	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
M89	10640	2-4-2014	0320	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
M89	10640	4-4-2014	1020	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
M89	10640	5-4-2014	1120	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
M89	10640	6-4-2014	0120	Sun	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
M89	10640	8-4-2014	2320	Tue	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
M89	10640	9-4-2014	0320	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
M89	10640	11-4-2014	0220	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
M89	10640	11-4-2014	1220	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
M89	10640	12-4-2014	0220	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
M89	10640	18-4-2014	1020	Fri	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
M89	10640	26-4-2014	0020	Sat	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
M89	10640	30-4-2014	1120	Wed	VVV (x3) Q2M (x3) DE NYZ (x2) (R5) QSA? K //6840	CW	(JPL)
M89	16720	17-4-2014	0807	Thu	V 8PEX (x3) DE TI5F (x2) (Cont'd)	CW	(JPL)
M89	16720	17-4-2014	1229	Thu	V 8PEX (x3) DE TI5F (x2) (Cont'd)	CW	(JPL)
M89	16720	17-4-2014	1341	Thu	V 8PEX (x3) DE TI5F (x2) (Cont'd)	CW	(JPL)
M89	16720	18-4-2014	0947	Fri	V 8PEX (x3) DE TI5F (x2) (Cont'd)	CW	(JPL)
M89	16720	18-4-2014	1015	Fri	V 8PEX (x3) DE TI5F (x2) (Cont'd)	CW	(JPL)
M89	16720	18-4-2014	1126	Fri	V 8PEX de TI5F	CW	(F5JBR)
MX	3523	11-4-2014	1835	Fri	Beacon "V"	CW	(IARUMS)
MX	4150	21-4-2014	0058	Mon	Beacon "V"	CW	(G7PXK)
MX	4325.9	9-4-2014	1952	Wed	Marker "R" Izhevsk	CW	(AB)
MX	4325.9	18-4-2014	1904	Fri	Marker "R" Izhevsk	CW	(AB)
MX	4325.9	28-4-2014	1936	Mon	Marker "R" Izhevsk	CW	(AB)
MX	6917.5	23-4-2014	1811	Wed	Beacon "L" St.Petersburg	CW	(F5JBR)
MX	6917.5	24-4-2014	1927	Thu	Beacon "L" Sankt Peterburg	CW	(MPJ)
MX	7039.4	9-4-2014	1223	Wed	Beacon "M" Magadan	CW	(AB-HK)
MX	7039.4	18-4-2014	1203	Fri	Beacon "M" Magadan	CW	(AB-HK)

Code	Freq	Date	UTC	Day	Remarks	Mode	Ctrb
MX	8495.4	9-4-2014	1223	Wed	Beacon "M" Magadan	CW	(AB-HK)
MX	10871.9	9-4-2014	1223	Wed	Beacon "S" Severomorsk	CW	(AB)
MX	10871.9	17-4-2014	2300	Thu	Beacon "S" Severomorsk	CW	(Dan)
MX	10872	9-4-2014	1223	Wed	Beacon "C" Moscow	CW	(AB)
MX	10872	19-4-2014	0450	Sat	Beacon "C" Moscow	CW	(F5JBR)
MX	10872.4	9-4-2014	1223	Wed	Beacon "M" Magadan	CW	(AB-HK)
MX	10872.4	18-4-2014	1203	Fri	Beacon "M" Magadan	CW	(AB-HK)
MX	13527.7	17-4-2014	1700	Thu	Beacon "D" Odessa/Sevastopol	CW	(MPJ)
MX	13527.7	18-4-2014	0600	Fri	Beacon "D" Sevastopol	CW	(F5JBR)
MX	13527.9	9-4-2014	1223	Wed	Beacon "S" Severomorsk	CW	(AB)
MX	13527.9	17-4-2014	1701	Thu	Beacon "S" Severomorsk	CW	(MPJ)
MX	13528	9-4-2014	1223	Wed	Beacon "C" Moscow	CW	(AB)
MX	13528	17-4-2014	1702	Thu	Beacon "C" Moscow	CW	(MPJ)
MX	13528	25-4-2014	1447	Fri	Beacon "C" Moscow	CW	(JE-MB)
MX	13528.4	18-4-2014	1203	Fri	Beacon "M" Magadan	CW	(AB-HK)
MX	16331.7	9-4-2014	1223	Wed	Beacon "D" Sevastopol	CW	(AB)
MX	16331.7	23-4-2014	1808	Wed	Beacon "D" Sevastopol	CW	(MPJ)
MX	16331.7	30-4-2014	1218	Wed	Beacon "D" Sevastopol/Odessa	CW	(MPJ)
MX	16331.9	9-4-2014	1223	Wed	Beacon "S" Sevoeromorsk	CW	(AB)
MX	16331.9	13-4-2014	1606	Sun	Beacon "S" Severomorsk	CW	(MPJ)
MX	16331.9	23-4-2014	1809	Wed	Beacon "S" Severomorsk	CW	(MPJ)
MX	16331.9	30-4-2014	1219	Wed	Beacon "S" Severomorsk	CW	(MPJ)
MX	16332	9-4-2014	1223	Wed	Beacon "C" Moscow	CW	(AB)
MX	16332	13-4-2014	1607	Sun	Beacon "C" Moscow	CW	(MPJ)
MX	16332	23-4-2014	1810	Wed	Beacon "C" Moscow	CW	(MPJ)
MX	16332	30-4-2014	1220	Wed	Beacon "C" Moscow	CW	(MPJ)
MX	20047.6	23-4-2014	1210	Wed	Beacon "D" Sevastopol	CW	(AAI)
MX	20047.7	9-4-2014	1223	Wed	Beacon "D" Sevastopol	CW	(AB)
MX	20047.9	9-4-2014	1223	Wed	Beacon "S" Severomorsk	CW	(AB)
MX	20048	9-4-2014	1223	Wed	Beacon "C" Moscow	CW	(AB)
RMv	3870	29-4-2014	1822	Tue	XXX XXX 86 34 RABOTA 75 91 priyom (voice, NOT CW !!)	USB	(Gwr)
RMv	9050	15-4-2014	1350	Tue	Tabel'-30 ya Balans-79 kak menya slyshite? Priyom. Slyshu Vas na 4 balla	USB	(Avare)
S--	5920	24-4-2014	2240	Thu	Russian numbers	USB	(Flavio)
S06	1904	3-4-2014	1900	Thu	349 00000	USB	(Spec)
S06	4534	5-4-2014	2000	Sat	362 0	USB	(HFD)
S06	4534	19-4-2014	2000	Sat	362 362 362 00000	AM	(AB)
S06	4629	5-4-2014	1935	Sat	396 0	USB	(HFD)
S06	5127	10-4-2014	1905	Thu	349 0	USB	(HFD)
S06	5127	17-4-2014	1905	Thu	349 0	USB	(HFD)
S06	5127	17-4-2014	1905	Thu	349 349 349 00000	AM	(RWO)
S06	5317	5-4-2014	1900	Sat	362 0	USB	(HFD)
S06	5784	3-4-2014	1900	Thu	349 0	USB	(HFD)
S06	5784	7-4-2014	1900	Mon	349 0	USB	(HFD)
S06	5784	14-4-2014	1900	Mon	349 0	USB	(HFD)
S06	5787	19-4-2014	1930	Sat	396 396 396 00000	AM	(AB)
S06	5854	5-4-2014	2000	Sat	621 0	USB	(HFD)
S06	5864	5-4-2014	2000	Sat	621 00000	USB	(Spec)
S06	5864	19-4-2014	2000	Sat	621 621 621 00000	AM	(AB)
S06	5890	1-4-2014	1800	Tue	286 0	USB	(HFD)
S06	6782	5-4-2014	1900	Sat	621 0	USB	(HFD)
S06	7342	12-4-2014	1605	Sat	194 0	USB	(HFD)
S06	11105	14-4-2014	1915	Mon	116 0	USB	(HFD)
S06	13440	14-4-2014	1815	Mon	116 0	USB	(HFD)
S06	13457	6-4-2014	1700	Sun	480 629 43 02603 75046 63126 ... 10558 06941 43904 629 43 00000	USB	(Avare)
S06	13457	13-4-2014	1700	Sun	480 296 41 68128 53518 23246 ... 94601 82040 46795 296 41 00000	USB	(Ava-re/RWO)
S06	13457	15-4-2014	1700	Tue	480 371 45 50135 80378 77662 ... 10418 29009 56318 371 45 00000	USB	(Avare)
S06	13457	20-4-2014	1700	Sun	480 596 42 49563 01154 35760 ... 31812 31821 27269 596 42 00000	AM	(Avare)
S06	15721	16-4-2014	0400	Wed	in progress	USB	(RWO)
S06c	18453	3-4-2014	1100	Thu	11051 rptd	USB	(PH)
S06c	20846	3-4-2014	1038	Thu	11051 rptd	USB	(PH)
S06e	11073	16-4-2014	0740	Wed	Tw msgs. 352 679 41 59308 84956 11632 etc and 804 16 07499 42991 17337	USB	(Ava-

Code	Freq	Date	UTC	Day	Remarks	Mode	Ctrb
					...		re/RWO)
S06s	5805	4-4-2014	0810	Fri	278 945 5 35844 41029 95477 47714 45124 945 5 00000	USB	(AB)
S06s	6930	15-4-2014	0715	Tue	374 901 5 61028 69130 27970 53514 58906 901 5 00000	USB	(RWO)
S06s	7795	4-4-2014	0600	Fri	196 874 5 35646 39914 36020 43876 18969 00000	USB	(AB)
S06s	7795	11-4-2014	0600	Fri	196 874 5 35646 39914 36020 43876 18969 874 5 00000	USB	(AB)
S06s	7795	11-4-2014	0600	Fri	196 874 5 35646	USB	(HFD)
S06s	7795	18-4-2014	0600	Fri	196 430 5 71142 47778 57185 94933 27564 430 5 00000	USB	(AB)
S06s	8520	5-4-2014	1210	Sat	254 803 6 Difficult To Copy	USB	(Spec)
S06s	8695	4-4-2014	0610	Fri	196 874 5 35646 39914 36020 43876 18969 00000	USB	(AB)
S06s	8695	11-4-2014	0610	Fri	196 874 5 35646 39914 36020 43876 18969 874 5 00000	USB	(AB)
S06s	8695	11-4-2014	0610	Fri	196	USB	(HFD)
S06s	8695	18-4-2014	0610	Fri	196 430 5 71142 47778 57185 94933 27564 430 5 00000	USB	(AB)
S06s	9078	4-4-2014	0600	Fri	934 870 5 44820 45186 83893 45684 87723 870 5 00000	USB	(AB)
S06s	9078	11-4-2014	0600	Fri	934 870 5 44820 45186 83893 45684 87723 870 5 00000	USB	(AB)
S06s	9078	11-4-2014	0600	Fri	934 870 5 44820	USB	(HFD)
S06s	9078	18-4-2014	0600	Fri	934 826 5 94595 63586 56464 22477 23331 826 5 00000	USB	(AB)
S06s	9081	18-4-2014	0900	Fri	314 314 314 00000	AM	(Avare)
S06s	9145	14-4-2014	1200	Mon	831 540 6 04868 44645 45958 80316 16556 44452 540 6 00000	USB	(AB)
S06s	9752	18-4-2014	0910	Fri	314 314 314 00000	AM	(Avare)
S06s	10148	4-4-2014	0610	Fri	934 870 5 44820 45186 83893 45684 87723 870 5 00000	USB	(AB)
S06s	10148	11-4-2014	0610	Fri	934 870 5 44820 45186 83893 45684 87723 870 5 00000	USB	(AB)
S06s	10148	11-4-2014	0610	Fri	934	USB	(HFD)
S06s	10148	18-4-2014	0610	Fri	934 826 5 94595 63586 56464 22477 23331 826 5 00000	USB	(AB)
S06s	10350	5-4-2014	1200	Sat	254 803 6 Difficult To Copy	USB	(Spec)
S06s	10420	15-4-2014	0810	Tue	352 970 6 34596 91021 25046 58778 78626 51862 970 6 00000	USB	(AB)
S06s	10514	18-4-2014	0920	Fri	314 314 314 00000. Strange 3rd repeat	AM	(Avare)
S06s	11460	14-4-2014	1210	Mon	831 540 6 04868 44645 45958 80316 16556 44452 540 6 00000	USB	(AB)
S06s	11560	15-4-2014	0740	Tue	427 960 5 38281 10541 58010 29865 72431 960 5 00000	USB	(RWO)
S06s	11635	8-4-2014	0805	Tue	i.p. 51232 801 6 00000. Mixing with HM01	USB	(Avare)
S06s	12140	18-4-2014	0930	Fri	516 973 8 27970 53514 58906 31477 91127 49572 96314 52976 973 8 00000	AM	(AB)
S06s	12355	15-4-2014	0610	Tue	438 906 5 20483 47292 38314 63370 76184 906 5 00000	USB	(RWO)
S06s	12415	10-4-2014	1200	Thu	425 869 7 51972 38664 48339 91339 44254 48857 18958 869 7 00000	USB	(AB)
S06s	13165	21-4-2014	0910	Mon	872 594 6 61028 69130 27970 53514 58906 31477 594 6 00000	USB	(AB)
S06s	13515	4-4-2014	0940	Fri	516 902 7 88397 44932 80382 23484 36344 37771 48130 902 7 00000	USB	(AB)
S06s	13515	18-4-2014	0940	Fri	516 973 8 27970 53514 58906 31477 91127 49572 96314 52976 973 8 00000	AM	(AB)
S06s	14212	10-4-2014	1210	Thu	425 869 7 51972 38664 48339 91339 44254 48857 18958 869 7 00000	USB	(AB)
S06s	14580	21-4-2014	0900	Mon	872 594 6 61028 69130 27970 53514 58906 31477 594 6 00000	USB	(AB)
S11a	4016	11-4-2014	1955	Fri	in progress	USB	(RWO)
S11a	4016	30-4-2014	1955	Wed	370/00	USB	(JE-MB)
S11a	7317	18-4-2014	0914	Fri	484/00	USB	(AB)
S11a	9960	11-4-2014	1020	Fri	426/00	USB	(AB)
S11a	9960	15-4-2014	1020	Tue	426/00	USB	(AB)
S11a	14940	28-4-2014	0715	Mon	385/35 vnimanie 11541 32910 77252 ... 30799 93899 71624 konec	USB	(Avare)
S11a	16112	10-4-2014	1015	Thu	475/00	USB	(AB)
S28	4625	7-4-2014	1342	Mon	MDZhB 97 407 VALOHA 76 71 58 94	USB	(DJPr)
S28	4625	8-4-2014	1016	Tue	MDZhB 56 764 AVO 31 27 62 34	USB	(DJPr)
S28	4625	9-4-2014	0951	Wed	MDZhB 82 531 KANDYK 21 91 97 70	USB	(DJPr)
S28	4625	9-4-2014	0957	Wed	MDZhB 18 556 GALLIKT 50 81 71 04	USB	(DJPr)
S28	4625	9-4-2014	1000	Wed	MDZhB 18 123 PADEN 44 08 72 04	USB	(DJPr)
S28	4625	9-4-2014	1012	Wed	MDZhB 39 394 ChARY 80 72 24 47	USB	(DJPr)
S28	4625	9-4-2014	1014	Wed	MDZhB 21 780 AVTONOMNYJ 06 80 51 51	USB	(DJPr)
S28	4625	9-4-2014	1132	Wed	MDZhB 43 944 KVARTIRNIK 98 01 77 99	USB	(DJPr)
S28	4625	9-4-2014	1148	Wed	MDZhB 34 568 GASHENIE 48 95 48 13 ZIZIFUS 98 36 19 35	USB	(DJPr)
S28	4625	10-4-2014	1128	Thu	MDZhB 36 031 RADUZhNICA 33 25 33 68	USB	(DJPr)
S28	4625	10-4-2014	1240	Thu	MDZhB 72 260 MARLEZIT 41 32 04 18	USB	(DJPr)
S28	4625	11-4-2014	1020	Fri	MDZhB 29 521 NAVETNIK 72 02 88 56 Priyom	USB	(DJPr)
S28	4625	11-4-2014	1021	Fri	MDZhB 50 209 GAINISHe34 85 96 06 Priyom	USB	(DJPr)
S28	4625	11-4-2014	1023	Fri	MDZhB 33 222 FANGSBOT 12 98 34 06 Priyom	USB	(DJPr)
S28	4625	11-4-2014	1025	Fri	MDZhB 56 055 RAPUNTcEL 43 10 76 39 Priyom	USB	(DJPr)
S28	4625	11-4-2014	1029	Fri	MDZhB 74 561 LAMPOVYJ 91 67 30 95 Priyom	USB	(DJPr)
S28	4625	14-4-2014	0951	Mon	MDZhB 05 127 ZAVODNENIE 81 64 76 53	USB	(DJPr)
S28	4625	14-4-2014	0957	Mon	MDZhB 47 870 GARTIT 36 07 67 03	USB	(DJPr)

Code	Freq	Date	UTC	Day	Remarks	Mode	Ctrb
S28	4625	14-4-2014	0959	Mon	MDZhB 70 450 VARITET 24 85 88 72	USB	(DJPr)
S28	4625	16-4-2014	1004	Wed	MDZhB 52 013 ZAZEMLNIE 73 35 58 30	USB	(DJPr)
S28	4625	16-4-2014	1030	Wed	MDZhB 90 560 ZhABINAK 92 38 50 08	USB	(DJPr)
S28	4625	16-4-2014	1032	Wed	MDZhB 17 705 VARAJDA 43 90 37 91	USB	(DJPr)
S28	4625	16-4-2014	1341	Wed	MDZhB 81 558 GARDKOT 45 67 12 79 BARROU 28 19 47 51	USB	(DJPr)
S28	4625	17-4-2014	0825	Thu	MDZhB 74 363 MALUAR 80 47 95 77 Priyom	USB	(Avare)
S28	4625	17-4-2014	0827	Thu	MDZhB 69 903 KALDTA 47 97 36 31 Priyom	USB	(Avare)
S28	4625	17-4-2014	0832	Thu	MDZhB 91 341 MALTA 14 13 27 61 Priyom	USB	(Avare)
S28	4625	17-4-2014	0901	Thu	MDZhB 32 803 RAZDEL 99 59 13 46	USB	(DJPr)
S28	4625	18-4-2014	1012	Fri	MDZhB 85 377 VALANT 24 31 86 82 Priyom	USB	(Avare)
S28	4625	18-4-2014	1018	Fri	MDZhB 03 224 KAZChLYaG ?? ?? ?? 13 Priyom	USB	(Avare)
S28	4625	18-4-2014	1137	Fri	MDZhB 22 154 VARENKI 31 27 32 54	USB	(DJPr)
S28	4625	18-4-2014	1147	Fri	MDZhB 96 332 ZAVOEVANIE 54 47 53 21 ShAMATON 01 57 27 53	USB	(DJPr)
S28	4625	21-4-2014	1437	Mon	MDZhB 82 257 KALANNIK 62 28 08 79	USB	(DJPr)
S28	4625	21-4-2014	1512	Mon	MDZhB 99 095 KARNOTIT 95 93 54 00	USB	(DJPr)
S28	4625	21-4-2014	1531	Mon	MDZhB 74 098 PAPSTVO 03 81 42 35	USB	(DJPr)
S28	4625	21-4-2014	1540	Mon	MDZhB 26 975 TAMGA 36 50 86 79	USB	(DJPr)
S28	4625	22-4-2014	1037	Tue	MDZhB 36 876 PAKSIT 75 57 93 88	USB	(DJPr)
S28	4625	22-4-2014	1040	Tue	MDZhB 71 213 FAZANOVYJ 48 51 65 78	USB	(DJPr)
S28	4625	22-4-2014	1040	Tue	MDZhB 23 682 KARRAGINAN 32 08 23 29	USB	(DJPr)
S28	4625	22-4-2014	1146	Tue	MDZhB 24 593 BAKBO 85 48 40 54	USB	(DJPr)
S28	4625	23-4-2014	1022	Wed	MDZhB 11 642 GANISTEN 73 59 15 67	USB	(DJPr)
S28	4625	23-4-2014	1148	Wed	MDZhB 39 504 ZABOJChIK 12 03 92 59	USB	(DJPr)
S28	4625	24-4-2014	1157	Thu	MDZhB 87 577 NAVEVANIE 63 76 78 59	USB	(DJPr)
S28	4625	24-4-2014	1213	Thu	MDZhB 47 555 KAPITALKA 26 85 65 43	USB	(DJPr)
S28	4625	25-4-2014	0957	Fri	MDZhB 29 915 MARIHUAN 16 25 13 97	USB	(DJPr)
S28	4625	25-4-2014	1003	Fri	MDZhB 85 947 RAVAN' 34 06 57 23	USB	(DJPr)
S28	4625	25-4-2014	1005	Fri	MDZhB 90 644 BANTAM 92 36 48 96	USB	(DJPr)
S30	3756	1-4-2014	1801	Tue	5Y7ShCh 375shch' N1DU 530B 78MV 12TSI 79AY P'HShch 6EKHB TSP3'	USB	(DJPr)
S30	3756	3-4-2014	1728	Thu	L7O5 V'Z' NLCE V2MZ SB7Z 8MUO TUZR 5J7Shch 27Scsh' N1DU	USB	(DJPr)
S30	3756	22-4-2014	1708	Tue	TZLM FYSE F61N 37CN MUDR 7VNShch Zh7NZh YMA5 VTH3 AGDT	USB	(DJPr)
S30	3756	23-4-2014	1720	Wed	61HZh ZBIL L7O5 V'Z' NLCE V2MZ SB7Z 8MUO TUZR 5J7Shch	USB	(DJPr)
S30	3756	24-4-2014	1757	Thu	5FCShch DMC3 49FT C3ZA LI27 INNC ShchGJP 8CShchJ TZLM FYSE	USB	(DJPr)
S30	5448	3-4-2014	1728	Thu	ZhBZU 3VS' DKJ1 6I2Zh ZhD9V SJ5C 42BV 81BR M7KS	USB	(DJPr)
S30	5448	7-4-2014	1323	Mon	8S1Shch 45 333 BOChNYa 98 07 58 45	USB	(DJPr)
S30	5448	7-4-2014	1342	Mon	8S1Shch 25 279 AVTOSCEPKA 63 08 64 41	USB	(DJPr)
S30	5448	8-4-2014	1023	Tue	8S1Shch 25 253 ERGOZIN 64 72 88 11	USB	(DJPr)
S30	5448	9-4-2014	1630	Wed	OSOG BO6C F56Scsh 9GSA ZhBZU 5RVZ 3VS' DKJ1 6I3Zh ZhD9V	USB	(DJPr)
S30	5448	15-4-2014	1447	Tue	ShchT3O CIHS Z7PM 'O6P JH'J S7ZhG Z'1B CI9V ZhSk4 DEAY	USB	(DJPr)
S32	3828	4-4-2014	1826	Fri	BIZON54 OTPOR89 ALEUT09 PENZA07 UTES94 DUBLER68	USB	(DJPr)
S32	3828	7-4-2014	1817	Mon	BIZON64 OTPOR89 ALEUT09 NEVKA26 UTES94 DUBLER68	USB	(DJPr)
S32	3828	23-4-2014	1740	Wed	Alfa-45 29 915 NYRYaNIE 62 66 77 54	USB	(DJPr)
S32	3828	23-4-2014	2035	Wed	Alfa-45 05 924 TITLO 79 77 12 48	USB	(Gwr)
S32	5473	1-4-2014	1009	Tue	ShTORA62 SLIVA94 RUZh'E29 ROSA54 STAZher29 FONTAN34 NEVKA26	USB	(DJPr)
S32	5473	3-4-2014	0734	Thu	ALFA45 54 434 MEGABIL 83 45 44 58	USB	(DJPr)
S32	5473	5-4-2014	1312	Sat	BIZON64 OTPOR89 ALEUT09 PENZA07 UTES94 STAZher29	USB	(DJPr)
S32	5473	14-4-2014	1317	Mon	DZhIGIT-46 KOVBOJ-9 NEVKA-4 LANDYSh-4	USB	(DJPr)
S32	5473	16-4-2014	1213	Wed	ALFA-45 33 926 KORONER 93 20 42 88	USB	(DJPr)
S32	5473	16-4-2014	1213	Wed	ALFA-45 90 001 KARANFIL 73 04 17 37	USB	(DJPr)
S32	5473	16-4-2014	1353	Wed	Alfa-45 33 926 KORONER 93 20 42 88	USB	(DJPr)
S32	5473	23-4-2014	1239	Wed	ShTORA-62 LANDYSh-74 RUZh'E-26 BIZON-64	USB	(DJPr)
S6930	3218.5	1-4-2014	1919	Tue	Katok-65 24 331 GOROH 11 24 35 54	USB	(DJPr)
S6930	3218.5	2-4-2014	2000	Wed	Katok-65 45 154 TABLETKA 28 18 15 54	USB	(DJPr)
S6930	3218.5	3-4-2014	2000	Thu	Katok-65 78 148 VOZDUH 21 74 98 70	USB	(DJPr)
S6930	3218.5	4-4-2014	2001	Fri	Katok-65 36 636 HIScshNIK 27 74 54 02	USB	(DJPr)
S6930	3218.5	5-4-2014	1958	Sat	Katok-65 81 554 GITARA 33 28 74 71	USB	(DJPr)
S6930	3218.5	13-4-2014	2001	Sun	KATOK-65 47 743 LINEJKA 11 13 33 34	USB	(DJPr)
S6930	3218.5	20-4-2014	2000	Sun	KATOK-65 38 519 KOREN' 37 32 65 18	USB	(DJPr)
SDN	21000	12-3-2014	1132		MFA Khartoum voice traffic with embassy Yemen	USB	(IARUMS)
SDN	21002.1	27-3-2014	2028		MFA Khartoum wkg embassy Yemen	Pactor I 100/170	(IARUMS)
UM01	3334	29-4-2014	1523	Tue	Unid 10-mins net: POCI	CW	(JPL-Sib)

Code	Freq	Date	UTC	Day	Remarks	Mode	Ctrb
UM01	3581	1-4-2014	1003	Tue	CQ P 13	CW	(JPL-Sib)
UM01	3581	1-4-2014	1317	Tue	CQ P 13	CW	(JPL-Sib)
UM01	3581	1-4-2014	1912	Tue	CQ P 11	CW	(JPL-Sib)
UM01	3581	2-4-2014	1540	Wed	CQ P 11	CW	(JPL-Sib)
UM01	3581	2-4-2014	2151	Wed	CQ P 10	CW	(JPL-Sib)
UM01	3581	3-4-2014	1023	Thu	CQ P 10	CW	(JPL-Sib)
UM01	3581	3-4-2014	1240	Thu	CQ P 9	CW	(JPL-Sib)
UM01	3581	3-4-2014	1511	Thu	CQ P 7	CW	(JPL-Sib)
UM01	3581	3-4-2014	1600	Thu	CQ P 6	CW	(JPL-Sib)
UM01	3581	3-4-2014	1739	Thu	CQ P 5	CW	(JPL-Sib)
UM01	3581	3-4-2014	1942	Thu	CQ P 4	CW	(JPL-Sib)
UM01	3581	3-4-2014	2100	Thu	CQ P 4	CW	(JPL-Sib)
UM01	3581	3-4-2014	2206	Thu	CQ P 4	CW	(JPL-Sib)
UM01	3581	4-4-2014	0214	Fri	CQ P 3	CW	(JPL-Sib)
UM01	3581	4-4-2014	0907	Fri	CQ P 7	CW	(JPL-Sib)
UM01	3581	4-4-2014	0947	Fri	CQ P 7	CW	(JPL-Sib)
UM01	3581	4-4-2014	1106	Fri	CQ P 8	CW	(JPL-Sib)
UM01	3581	4-4-2014	1234	Fri	CQ P 8	CW	(JPL-Sib)
UM01	3581	4-4-2014	1445	Fri	CQ P 7	CW	(JPL-Sib)
UM01	3581	4-4-2014	1703	Fri	CQ P 6	CW	(JPL-Sib)
UM01	3581	4-4-2014	1833	Fri	CQ P 5	CW	(JPL-Sib)
UM01	3581	4-4-2014	2128	Fri	CQ P 4	CW	(JPL-Sib)
UM01	3581	4-4-2014	2158	Fri	CQ P 4	CW	(JPL-Sib)
UM01	3581	5-4-2014	0916	Sat	CQ P 4	CW	(JPL-Sib)
UM01	3581	5-4-2014	1135	Sat	CQ P 4	CW	(JPL-Sib)
UM01	3581	5-4-2014	1528	Sat	CQ P 3	CW	(JPL-Sib)
UM01	3581	5-4-2014	1627	Sat	CQ P 2	CW	(JPL-Sib)
UM01	3581	5-4-2014	1707	Sat	CQ P 2	CW	(JPL-Sib)
UM01	3581	5-4-2014	1825	Sat	CQ P 1	CW	(JPL-Sib)
UM01	3581	5-4-2014	2310	Sat	CQ M 0	CW	(JPL-Sib)
UM01	3581	6-4-2014	0009	Sun	CQ M 1	CW	(JPL-Sib)
UM01	3581	6-4-2014	0835	Sun	CQ P 4	CW	(JPL-Sib)
UM01	3581	6-4-2014	1356	Sun	CQ P 4	CW	(JPL-Sib)
UM01	3581	6-4-2014	1509	Sun	CQ P 4	CW	(JPL-Sib)
UM01	3581	6-4-2014	1557	Sun	CQ P 3	CW	(JPL-Sib)
UM01	3581	6-4-2014	1657	Sun	CQ P 3	CW	(JPL-Sib)
UM01	3581	6-4-2014	1905	Sun	CQ P 2	CW	(JPL-Sib)
UM01	3581	6-4-2014	2000	Sun	CQ P 2	CW	(JPL-Sib)
UM01	3581	6-4-2014	2118	Sun	CQ P 2	CW	(JPL-Sib)
UM01	3581	7-4-2014	0101	Mon	CQ P 2	CW	(JPL-Sib)
UM01	3581	7-4-2014	0153	Mon	CQ P 3	CW	(JPL-Sib)
UM01	3581	7-4-2014	0206	Mon	CQ P 4	CW	(JPL-Sib)
UM01	3581	7-4-2014	1002	Mon	CQ P 8	CW	(JPL-Sib)
UM01	3581	7-4-2014	1029	Mon	CQ P 8	CW	(JPL-Sib)
UM01	3581	7-4-2014	1150	Mon	CQ P 9	CW	(JPL-Sib)
UM01	3581	7-4-2014	1412	Mon	CQ P 8	CW	(JPL-Sib)
UM01	3581	7-4-2014	1624	Mon	CQ P 6	CW	(JPL-Sib)
UM01	3581	7-4-2014	1825	Mon	CQ P 5	CW	(JPL-Sib)
UM01	3581	7-4-2014	2217	Mon	CQ P 4	CW	(JPL-Sib)
UM01	3581	7-4-2014	2342	Mon	CQ P 4	CW	(JPL-Sib)
UM01	3581	8-4-2014	0222	Tue	CQ P 3	CW	(JPL-Sib)
UM01	3581	8-4-2014	1008	Tue	CQ P 5	CW	(JPL-Sib)
UM01	3581	8-4-2014	1205	Tue	CQ P 5	CW	(JPL-Sib)
UM01	3581	8-4-2014	1336	Tue	CQ P 5	CW	(JPL-Sib)
UM01	3581	8-4-2014	1400	Tue	CQ P 5	CW	(JPL-Sib)
UM01	3581	8-4-2014	1422	Tue	CQ P 5	CW	(JPL-Sib)
UM01	3581	8-4-2014	1600	Tue	CQ P 6	CW	(JPL-Sib)
UM01	3581	8-4-2014	1737	Tue	CQ P 6	CW	(JPL-Sib)
UM01	3581	8-4-2014	1914	Tue	CQ P 6	CW	(JPL-Sib)
UM01	3581	8-4-2014	2208	Tue	CQ P 6	CW	(JPL-Sib)
UM01	3581	8-4-2014	2307	Tue	CQ P 6	CW	(JPL-Sib)
UM01	3581	9-4-2014	0245	Wed	CQ P 6	CW	(JPL-Sib)

Code	Freq	Date	UTC	Day	Remarks	Mode	Ctrb
UM01	3581	9-4-2014	1045	Wed	CQ P 9	CW	(JPL-Sib)
UM01	3581	9-4-2014	1637	Wed	CQ P 8	CW	(JPL-Sib)
UM01	3581	9-4-2014	1649	Wed	CQ P 7	CW	(JPL-Sib)
UM01	3581	9-4-2014	1950	Wed	CQ P 6	CW	(JPL-Sib)
UM01	3581	9-4-2014	2158	Wed	CQ P 5	CW	(JPL-Sib)
UM01	3581	10-4-2014	0056	Thu	CQ P 5	CW	(JPL-Sib)
UM01	3581	10-4-2014	0953	Thu	CQ P 11	CW	(JPL-Sib)
UM01	3581	10-4-2014	1310	Thu	CQ P 10	CW	(JPL-Sib)
UM01	3581	10-4-2014	1932	Thu	CQ P 9	CW	(JPL-Sib)
UM01	3581	10-4-2014	2044	Thu	CQ P 11	CW	(JPL-Sib)
UM01	3581	10-4-2014	2143	Thu	CQ P 9	CW	(JPL-Sib)
UM01	3581	10-4-2014	2340	Thu	CQ P 8	CW	(JPL-Sib)
UM01	3581	11-4-2014	0201	Fri	CQ P 6	CW	(JPL-Sib)
UM01	3581	11-4-2014	1215	Fri	CQ P 3	CW	(JPL-Sib)
UM01	3581	11-4-2014	1243	Fri	CQ P 3	CW	(JPL-Sib)
UM01	3581	11-4-2014	1435	Fri	CQ P 2	CW	(JPL-Sib)
UM01	3581	11-4-2014	1929	Fri	CQ P 0	CW	(JPL-Sib)
UM01	3581	12-4-2014	0204	Sat	CQ M 1	CW	(JPL-Sib)
UM01	3581	12-4-2014	1102	Sat	CQ M 1	CW	(JPL-Sib)
UM01	3581	12-4-2014	1206	Sat	CQ M 1	CW	(JPL-Sib)
UM01	3581	12-4-2014	1628	Sat	CQ M 2	CW	(JPL-Sib)
UM01	3581	12-4-2014	1743	Sat	CQ M 2	CW	(JPL-Sib)
UM01	3581	12-4-2014	1810	Sat	CQ M 3	CW	(JPL-Sib)
UM01	3581	12-4-2014	1930	Sat	CQ M 3	CW	(JPL-Sib)
UM01	3581	14-4-2014	0134	Mon	CQ M 1	CW	(JPL-Sib)
UM01	3581	14-4-2014	0141	Mon	CQ M 2	CW	(JPL-Sib)
UM01	3581	14-4-2014	1003	Mon	CQ P 2	CW	(JPL-Sib)
UM01	3581	14-4-2014	1011	Mon	CQ P 5	CW	(JPL-Sib)
UM01	3581	14-4-2014	1106	Mon	CQ P 5	CW	(JPL-Sib)
UM01	3581	14-4-2014	1227	Mon	CQ P 5	CW	(JPL-Sib)
UM01	3581	14-4-2014	1729	Mon	CQ P 3	CW	(JPL-Sib)
UM01	3581	14-4-2014	1925	Mon	CQ P 2	CW	(JPL-Sib)
UM01	3581	14-4-2014	2235	Mon	CQ P 2	CW	(JPL-Sib)
UM01	3581	14-4-2014	2316	Mon	CQ P 1	CW	(JPL-Sib)
UM01	3581	15-4-2014	1316	Tue	CQ P 11	CW	(JPL-Sib)
UM01	3581	15-4-2014	1518	Tue	CQ P 8	CW	(JPL-Sib)
UM01	3581	15-4-2014	1729	Tue	CQ P 6	CW	(JPL-Sib)
UM01	3581	15-4-2014	1941	Tue	CQ P 5	CW	(JPL-Sib)
UM01	3581	15-4-2014	2334	Tue	CQ P 3	CW	(JPL-Sib)
UM01	3581	15-4-2014	2338	Tue	CQ P 2	CW	(JPL-Sib)
UM01	3581	16-4-2014	1000	Wed	CQ P 18	CW	(JPL-Sib)
UM01	3581	16-4-2014	1027	Wed	CQ P 19	CW	(JPL-Sib)
UM01	3581	16-4-2014	1123	Wed	CQ P 16	CW	(JPL-Sib)
UM01	3581	16-4-2014	1509	Wed	CQ P 10	CW	(JPL-Sib)
UM01	3581	16-4-2014	1748	Wed	CQ P 8	CW	(JPL-Sib)
UM01	3581	16-4-2014	1817	Wed	CQ P 8	CW	(JPL-Sib)
UM01	3581	16-4-2014	1935	Wed	CQ P 7	CW	(JPL-Sib)
UM01	3581	16-4-2014	2143	Wed	CQ P 6	CW	(JPL-Sib)
UM01	3581	16-4-2014	2154	Wed	CQ P 5	CW	(JPL-Sib)
UM01	3581	16-4-2014	2340	Wed	CQ P 4	CW	(JPL-Sib)
UM01	3581	17-4-2014	0135	Thu	CQP P 5	CW	(JPL-Sib)
UM01	3581	17-4-2014	0804	Thu	CQ P 10	CW	(JPL-Sib)
UM01	3581	17-4-2014	0843	Thu	CQ P 11	CW	(JPL-Sib)
UM01	3581	17-4-2014	1340	Thu	CQ P 12	CW	(JPL-Sib)
UM01	3581	17-4-2014	1550	Thu	CQ P 10	CW	(JPL-Sib)
UM01	3581	17-4-2014	1725	Thu	CQ P 9	CW	(JPL-Sib)
UM01	3581	17-4-2014	2043	Thu	CQ P 7	CW	(JPL-Sib)
UM01	3581	17-4-2014	2152	Thu	CQ P 6	CW	(JPL-Sib)
UM01	3581	18-4-2014	1336	Fri	CQ P 13	CW	(JPL-Sib)
UM01	3581	18-4-2014	1444	Fri	CQ P 13	CW	(JPL-Sib)
UM01	3581	18-4-2014	1549	Fri	CQ P 12	CW	(JPL-Sib)
UM01	3581	18-4-2014	1641	Fri	CQ P 12	CW	(JPL-Sib)

Code	Freq	Date	UTC	Day	Remarks	Mode	Ctrb
UM01	3581	18-4-2014	1935	Fri	CQ P 11	CW	(JPL-Sib)
UM01	3581	18-4-2014	2312	Fri	CQ P 9	CW	(JPL-Sib)
UM01	3581	19-4-2014	1355	Sat	CQ P 13	CW	(JPL-Sib)
UM01	3581	19-4-2014	1523	Sat	CQ P 13	CW	(JPL-Sib)
UM01	3581	22-4-2014	1643	Tue	CQ M 0	CW	(JPL-Sib)
UM01	3581	22-4-2014	2100	Tue	CQ M 1	CW	(JPL-Sib)
UM01	3581	25-4-2014	1417	Fri	CQ P 16	CW	(JPL-Sib)
UM01	3581	25-4-2014	1613	Fri	CQ P 16	CW	(JPL-Sib)
UM01	3581	25-4-2014	1838	Fri	CQ P 16	CW	(JPL-Sib)
UM01	3581	25-4-2014	2010	Fri	CQ P 16	CW	(JPL-Sib)
UM01	3581	26-4-2014	0006	Sat	CQ P 15	CW	(JPL-Sib)
UM01	3581	28-4-2014	0319	Mon	CQ P 3	CW	(JPL-Sib)
UM01	3581	28-4-2014	1500	Mon	CQ P 1	CW	(JPL-Sib)
UM01	3581	28-4-2014	1746	Mon	CQ P 1	CW	(AB-Sib)
UM01	3581	28-4-2014	1857	Mon	CQ P 1	CW	(JPL-Sib)
UM01	3581	28-4-2014	1917	Mon	CQ P 1	CW	(AB-Sib)
UM01	3581	29-4-2014	1208	Tue	CQ P 5	CW	(JPL-Sib)
UM01	3581	29-4-2014	1300	Tue	CQ P 4	CW	(JPL-Sib)
UM01	3581	29-4-2014	1514	Tue	CQ P 3	CW	(AB-Sib)
UM01	3581	29-4-2014	1520	Tue	CQ P 3	CW	(JPL-Sib)
UM01	3581	29-4-2014	1647	Tue	CQ P 3	CW	(AB-Sib)
UM01	3581	29-4-2014	2117	Tue	CQ P 1	CW	(AB-Sib)
UM01	3581	30-4-2014	1814	Wed	CQ P 4	CW	(JPL-Sib)
UM01	3581	30-4-2014	2011	Wed	CQ P 4	CW	(JPL-Sib)
UM01	3581	30-4-2014	2113	Wed	CQ P 4	CW	(JPL-Sib)
UM01	3581	30-4-2014	2247	Wed	CQ P 4	CW	(JPL-Sib)
UM10	3334	3-4-2014	1516	Thu	POCI //4136	CW	(JPL-Sib)
UM10	3334	3-4-2014	1745	Thu	POCI //4136	CW	(JPL-Sib)
UM10	3334	8-4-2014	1920	Tue	Unid 10-minutes net: POCI //4136 kHz	CW	(JPL-GUM)
UM10	3334	12-4-2014	1747	Sat	Unid 10-minutes net: POCI //4136 kHz	CW	(JPL-Sib)
UM10	3334	25-4-2014	1618	Fri	Unid 10-mins net: POCI //4137 kHz	CW	(JPL-Sib)
UM10	3334	30-4-2014	1746	Wed	Unid 10-mins station: POCI	CW	(JPL-Sib)
UM10	3709	6-4-2014	1521	Sun	Unid 10-minutes net: NJ6A repeated. Ends at 1530z	CW	(JPL-Sib)
UM10	3709	6-4-2014	1557	Sun	Unid 10-minutes net: NJ6A repeated. Ends at 1600z	CW	(JPL-Sib)
UM10	3709	8-4-2014	1326	Tue	Unid 10-minutes net: NJ6A	CW	(JPL-GUM)
UM10	4136	3-4-2014	1516	Thu	POCI //3334	CW	(JPL-Sib)
UM10	4136	3-4-2014	1745	Thu	POCI //3334	CW	(JPL-Sib)
UM10	4136	6-4-2014	1524	Sun	Unid 10-minutes net: POCI repeated. Ends ay 1525z	CW	(JPL-Sib)
UM10	4136	8-4-2014	1920	Tue	Unid 10-minutes net: POCI //3334 kHz	CW	(JPL-GUM)
UM10	4136	12-4-2014	1747	Sat	Unid 10-minutes net: POCI //3334 kHz	CW	(JPL-Sib)
UM10	4136	16-4-2014	1519	Wed	Unid 10-mins net: POCI	CW	(JPL-Sib)
UM10	4137	25-4-2014	1618	Fri	Unid 10-mins net: POCI //3334 kHz	CW	(JPL-Sib)
V02a	7555.1	10-4-2014	2013	Thu	This should be M08a. Instead it is YL/SS in LSB w/text of 5FGs.	AM	(DSch)
V07	14823	13-4-2014	0300	Sun	very weak; unreadable	USB	(Dan)
V13	8300	9-4-2014	1219	Wed	New Star in progress	AM	(AB-HK)
V13	8300	9-4-2014	1310	Wed	Ch YL	USB	(HFD)
V13	8300	10-4-2014	1200	Thu	New Star #4. Tune followed by Chinese coded messages	AM	(AB-HK)
V13	9276	26-4-2014	0200	Sat	New Star	AM	(RWO)
V13	9276	26-4-2014	0300	Sat	New Star	AM	(RWO)
V13	9522	15-4-2014	0812	Tue	New Star in progress	USB	(AB-HK)
V13	9522	18-4-2014	0710	Fri	New Star i.p.	AM	(AB-HK)
V13	9522	19-4-2014	0712	Sat	New Star in progress	AM	(AB-HK)
V13	9522	19-4-2014	0809	Sat	New Star in progress	AM	(AB-HK)
V30	10255	3-3-2014	1557		So Dien: 75 So Nhom: 35	USB	(Token)
V30	10255	6-3-2014	1557		Signal too weak to make out callup	USB	(Token)
V30	10255	7-3-2014	1557		So Dien: 03611 So Nhom: 45. Note new callup	USB	(Token)
V30	10255	17-3-2014	1557		So Dien: 03611 So Nhom: 45	USB	(Token)
V30	10255	18-3-2014	1557		So Dien: 03611 So Nhom: 45	USB	(Token)
V30	10255	19-3-2014	1557		So Dien: 03611 So Nhom: 45	USB	(Token)
V30	10255	24-3-2014	1557		So Dien: 03611 So Nhom: 45	USB	(Token)
V30	10255	25-3-2014	1557		So Dien: 03611 So Nhom: 45	USB	(Token)
V30	10255	26-3-2014	1557		So Dien: 03611 So Nhom: 45	USB	(Token)

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V30	10255	27-3-2014	1557		So Dien: 03611 So Nhom: 45	USB	(Token)
V30	10255	28-3-2014	1557		So Dien: 03611 So Nhom: 45	USB	(Token)
V30	10255	31-3-2014	1557		So Dien: 03611 So Nhom: 45	USB	(Token)
V30	10255	3-4-2014	1557	Thu	So Dien: 03611 So Nhom: 45	USB	(Token)
V30	10255	4-4-2014	1557	Fri	So Dien: 03611 So Nhom: 45	USB	(Token)
V30	10255	14-4-2014	1557	Mon	So Dien: 03611 So Nhom: 45	USB	(Token)
V30	10255	15-4-2014	1557	Tue	So Dien: 03611 So Nhom: 45	USB	(Token)
VC01	5114	8-4-2014	1930	Tue	Chinese Robot Lady	USB	(JPL-Sib)
VC01	8779	11-4-2014	1633	Fri	Chinese oddity VC01, YL, fast numbers	USB	(Token)
X06	10372	28-4-2014	0851	Mon	Mazielka. Sequence: 431625	USB	(AiR)
X06	10684	2-4-2014	0634	Wed	Mazielka. Sequence: 256341	AM	(PH)
X06	10684	2-4-2014	0634	Wed	Mazielka. Sequence: 256341	USB	(PH)
X06	12157	16-4-2014	0750	Wed	Mazielka. Sequence: 165423	USB	(Ava- re/RWO/AB)
X06	13510	25-4-2014	0507	Fri	Mazielka. Sequence: 216435	USB	(Avare)
X06	14419	24-4-2014	0812	Thu	Mazielka. Sequence: 521634	USB	(AiR)
X06	14501	18-4-2014	1007	Fri	Mazielka. Sequence: 361245	USB	(Avare)
X06	15710	27-4-2014	1128	Sun	Mazielka. Sequence: 261453	USB	(Da- nix/Avare)
X06	16117	28-4-2014	0936	Mon	Mazielka. Sequence: 463125	USB	(AiR)
X06	16317	22-4-2014	1013	Tue	Mazielka. Sequence: 612534	USB	(Danix)
X06	18177	17-4-2014	1432	Thu	Mazielka. Sequence: 164253	USB	(PH)
X06	18206	15-4-2014	0913	Tue	Mazielka. Sequence: 246531	USB	(PH)
X06	18575	3-4-2014	1200	Thu	Mazielka. Sequence: 352416	USB	(PH)
X06	18575	17-4-2014	1250	Thu	Mazielka. Sequence: 352416	USB	(PH)
X06	18750	7-4-2014	0752	Mon	Mazielka. Sequence: 641523	AM	(PH)
X06	19405	3-4-2014	1242	Thu	Mazielka. Sequence: 352416	USB	(PH)
X06	19405	17-4-2014	1243	Thu	Mazielka. Sequence: 352416	USB	(PH)
X06	19405	17-4-2014	1314	Thu	Mazielka. Sequence: 352416	USB	(PH)
X06	20334	17-4-2014	1445	Thu	Mazielka. Sequence: 164253	USB	(PH)
X06	20336	1-4-2014	0919	Tue	Mazielka. Sequence: 246531	USB	(PH)
X06	20336	1-4-2014	0919	Tue	Mazielka. Sequence: 246531	AM	(PH)
X06	20690	28-4-2014	0813	Mon	Mazielka. Sequence: 156234	USB	(PH)
X06	20813	9-4-2014	0936	Wed	Mazielka. Sequence: 216354	USB	(PH)
X06	20813	11-4-2014	1226	Fri	Mazielka. Sequence: 216354	USB	(PH)
X06	20813	15-4-2014	1042	Tue	Mazielka. Sequence: 216354	USB	(PH)
X06	20813	18-4-2014	1219	Fri	Mazielka. Sequence: 216354	USB	(PH)
X06	20837	18-4-2014	0932	Fri	Mazielka. Sequence: 645321	USB	(PH)
X06	20837	25-4-2014	1116	Fri	Mazielka. Sequence: 615243. Changes after 30sec into sequence: 645321	USB	(PH)
X06a	10869	2-4-2014	2210	Wed	Mazielka	AM	(Dan)
X06b	9300	11-4-2014	0949	Fri	Mazielka. Sequence: -1-----	USB	(Avare)
X06b	13403	6-4-2014	1549	Sun	Mazielka. Sequence:	USB	(Avare)
X06b	14603	6-4-2014	1552	Sun	Mazielka. Sequence:	USB	(Avare)
X06b	18300	22-4-2014	0931	Tue	Mazielka. Sequence: 1-6	USB	(PH/Danix)
X06b	18300	22-4-2014	1002	Tue	Mazielka. Sequence: 1-6	USB	(PH/Danix)
X06b	19300	22-4-2014	0937	Tue	Mazielka. Sequence: 1-6	USB	(PH/Danix)
X06b	20300	22-4-2014	0931	Tue	Mazielka. Sequence: 1-6	USB	(PH/Danix)
X06c	10405	3-4-2014	0720	Thu	Mazielka. Sequence: 162543	USB	(PH)
X06c	14875	30-4-2014	0632	Wed	Mazielka. Sequence: 123456	USB	(PH)
X06c	16190	3-4-2014	0735	Thu	Mazielka. Sequence: 123456	USB	(PH)
X06c	18300	5-4-2014	1043	Sat	Mazielka. Sequence: 123456	USB	(PH)
X06c	20000	5-4-2014	1048	Sat	Mazielka. Sequence: 123456	USB	(PH)
XPA	9243	1-4-2014	1940	Tue	msg	MFSK	(HFD)
XPA	9243	29-4-2014	1940	Tue	RYRYRYRY 922 1 02937 00153 96114 ... 12689 90266 26247	MFSK	(RWO)
XPA	10243	1-4-2014	1920	Tue	msg	MFSK	(HFD)
XPA	10943	1-4-2014	1900	Tue	msg	MFSK	(HFD)
XPA	10943	3-4-2014	1900	Thu	922 000 07722 00001 00000 10140	MFSK	(Dan)
XPA	10943	15-4-2014	1900	Tue	RYRYRYRY 922 922 1 02642 00193 98453 ... 41464 19148 06353 End of mes- sage	MFSK	(AB/RWO)
XPA	10943	17-4-2014	1900	Thu	RYRYRY 922 1 02642 00193 98453 ... 41464 19148 06353	MFSK	(RWO)
XPA2	10255	11-4-2014	0955	Fri	05146 00024 66517 78823 18280 ... 35824 33753 41544 53616 22223 30044 40 4700	MFSK	(AB/Avare)

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XPA2	12138	1-4-2014	1840	Tue	msg XPA2	MFSK	(HFD)
XPA2	13538	1-4-2014	1820	Tue	msg XPA2	MFSK	(HFD)
XPA2	14538	1-4-2014	1800	Tue	msg XPA2	MFSK	(HFD)
XPA2	14828	4-4-2014	1940	Fri	msg XPA2	MFSK	(HFD)
XPA2	14828	18-4-2014	0230	Fri	00288 00091 04252 ... 12457 01259 67753	MFSK	(Dan)
XPA2	14828	19-4-2014	1940	Sat	00280 00091 04252 ... 11346 00159 66653	MFSK	(AB)
XPA2	16114	4-4-2014	1920	Fri	msg XPA2	MFSK	(HFD)
XPA2	16114	18-4-2014	0230	Fri	00288 00091 04252 ... 12457 01259 67753	MFSK	(Dan)
XPA2	16114	19-4-2014	1920	Sat	00280 00091 04252 ... 11346 00159 66653	MFSK	(AB)
XPA2	17462	4-4-2014	1900	Fri	msg XPA2	MFSK	(HFD)
XPA2	17462	19-4-2014	1900	Sat	00280 00091 04252 ... 11346 00159 66653	MFSK	(AB)
XPA2	18057	11-4-2014	0740	Fri	msg XPA2	MFSK	(HFD)
XPA2	18057	11-4-2014	0740	Fri	06533 00001 00000 10140	MFSK	(PB)
XPA2	19557	11-4-2014	0720	Fri	06533 00001 00000 10140	MFSK	(AB/PB)
XPA2	19557	11-4-2014	0720	Fri	msg XPA2	MFSK	(HFD)
XPA2	19557	18-4-2014	0720	Fri	01199 00001 00000 00140	MFSK	(AB)
XPA2	21857	11-4-2014	0700	Fri	06533 00001 00000 10140	MFSK	(AB/PB)
XPA2	21857	11-4-2014	0700	Fri	msg XPA2	MFSK	(HFD)
XPA2	21857	18-4-2014	0700	Fri	01199 00001 00000 00140	MFSK	(AB)

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AB-SIB	Ary Boender via remote rx Siberia	JPL-GUM	JPL via remote rx Guam
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